1 Results

1.1 Main Results

model	R2	MSE	hidden sizes	total hs	epochs
	95.3 ± 2.3	0.04	[15, 10, 3]	28	20
	94.6 ± 5.3	0.05	[15, 10, 3]	28	50
	94.4 ± 5.6	0.05	[15, 10, 3]	28	200
ReluTanhFFNN	94.2 ± 5.5	0.05	[15, 10, 3]	28	100
Returannirinn	93.0 ± 4.4	0.06	[8, 4]	12	50
	91.4 ± 7.6	0.08	[15, 5]	20	50
	91.3 ± 5.5	0.08	[8, 4]	12	200
	90.9 ± 5.6	0.08	[8, 4]	12	100
	90.4 ± 9.1	0.08	[8, 4]	12	100
TanhReluFFNN	90.3 ± 9.4	0.08	[8, 4]	12	200
	90.3 ± 8.5	0.09	[8, 4]	12	50
ReluTanhFFNN	90.0 ± 9.1	0.09	[15, 5]	20	20
TanhFFNN	89.7 ± 6.6	0.09	[8, 4]	12	50
ReluTanhFFNN	89.1 ± 6.5	0.1	[15, 5]	20	100
neiu i amii i iviv	88.9 ± 5.8	0.1	[15, 5]	20	200
Relu2HiddenLayer	87.0 ± 8.3	0.11	[8, 4]	12	20
RefuzifiddefiLayer	86.9 ± 8.4	0.11	[8, 4]	12	50
TanhReluFFNN	85.7 ± 9.8	0.13	[15, 5]	20	20
Relu1HiddenLayer	84.8 ± 7.3	0.13	[10]	10	20
TanhReluFFNN	84.3 ± 12.4	0.14	[15, 5]	20	50
TanhLinFFNN	84.1 ± 11.7	0.14	[8, 4]	12	50
TanhReluFFNN	84.0 ± 12.6	0.14	[15, 5]	20	100
rammeturrinn	83.8 ± 13.1	0.14	[15, 5]	20	200
ReluTanhFFNN	83.1 ± 6.7	0.15	[10]	10	100
ReluFFNN	83.1 ± 6.7	0.15	[10]	10	100
Refurring	82.9 ± 5.7	0.15	[10]	10	200
ReluTanhFFNN	82.9 ± 5.7	0.15	[10]	10	200
Relu2HiddenLayer	82.9 ± 8.7	0.15	[8, 4]	12	200
ReluTanhFFNN	82.7 ± 9.8	0.15	[8, 4]	12	20
TanhLinFFNN	82.6 ± 9.1	0.15	[8, 4]	12	100
Relu2HiddenLayer	82.5 ± 10.2	0.15	[8, 4]	12	100
TanhLinFFNN	81.7 ± 10.6	0.16	[8, 4]	12	200
ReluFFNN	81.3 ± 7.7	0.16	[10]	10	50
ReluTanhFFNN	81.3 ± 7.7	0.16	[10]	10	50
TanhFFNN	80.5 ± 18.3	0.17	[8, 4]	12	100
ReluTanhFFNN	79.6 ± 9.2	0.18	[10]	10	20
	79.6 ± 9.2	0.18	[10]	10	20
ReluFFNN	79.6 ± 14.5	0.18	[8, 4]	12	200
	79.3 ± 14.6	0.18	[8, 4]	12	100
Relu2HiddenLayer	78.1 ± 20.0	0.19	[15, 5]	20	20
ReluFFNN	77.9 ± 14.2	0.19	[8, 4]	12	50
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TanhFFNN	77.8 ± 17.3	0.19	[15, 10, 3]	28	50
GRNN	76.9 ± 12.0	0.2	[10]	10	20
Relu2HiddenLayer	76.7 ± 16.3	0.2	[15, 5]	20	50
TanhReluFFNN	76.7 ± 17.6	0.2	[8, 4]	12	20
TanhLinFFNN	74.6 ± 14.5	0.22	[8, 4]	12	20
Relu2HiddenLayer	74.6 ± 20.2	0.22	[15, 5]	20	100
TanhFFNN	74.3 ± 23.1	0.22	[15, 10, 3]	28	20
Fambolliddon Lorron	74.3 ± 33.2	0.22	[8, 4]	12	100
Fanh2HiddenLayer	74.1 ± 31.2	0.23	[8, 4]	12	50
Relu2HiddenLayer	73.3 ± 21.2	0.23	[15, 5]	20	200
ReluFFNN	72.8 ± 18.1	0.24	[15, 10, 3]	28	50
	72.1 ± 31.9	0.24	[8, 4]	12	200
Canh2HiddenLayer	72.0 ± 31.9	0.24	[15, 5]	20	100
ReluFFNN	71.3 ± 15.1	0.25	[15, 10, 3]	28	100
CanhFFNN	70.9 ± 27.0	0.25	[8, 4]	12	200
ReluFFNN	70.8 ± 14.7	0.26	[15, 10, 3]	28	200
GRNN	70.7 ± 16.4	0.26	[10]	10	50
anhFFNN	70.1 ± 24.1	0.26	[15, 5]	20	20
anhLinFFNN	69.6 ± 20.4	0.27	[15, 10, 3]	28	200
anhReluFFNN	68.7 ± 27.3	0.27	[10]	10	20
anhFFNN	68.7 ± 27.3	0.27	[10]	10	20
anhLinFFNN	68.7 ± 27.3	0.27	[10]	10	20
	67.8 ± 32.1	0.28	[15, 5]	20	200
anh2HiddenLayer	67.6 ± 22.8	0.28	[8, 4]	12	20
anhLinFFNN	67.5 ± 25.4	0.28	[15, 10, 3]	28	100
anh2HiddenLayer	67.5 ± 24.1	0.28	[15, 5]	20	20
RNN	67.5 ± 29.9	0.28	[10]	10	100
anh2HiddenLayer	67.4 ± 37.3	0.29	[15, 5]	20	50
· · · · · · · · · · · · · · · · · · ·	67.1 ± 41.3	0.29	[10]	10	50
anhReluFFNN	67.1 ± 24.1	0.29	[15, 10, 3]	28	200
anhLinFFNN	67.1 ± 41.3	0.29	[10]	10	50
anhFFNN	67.1 ± 41.3	0.29	[10]	10	50
anhLinFFNN	67.0 ± 27.6	0.29	[15, 10, 3]	28	50
	66.8 ± 17.9	0.29	[15, 5]	20	200
ReluFFNN	65.1 ± 9.5	0.31	[15, 10, 3]	28	20
CanhReluFFNN	63.8 ± 20.2	0.32	[15, 10, 3]	28	100
ReluFFNN	63.4 ± 19.0	0.32	[15, 5]	20	50
GRNN	63.4 ± 28.9	0.32	[10]	10	200
CanhLinFFNN	63.3 ± 21.0	0.32	[15, 10, 3]	28	20
ReluFFNN	62.6 ± 13.8	0.33	[15, 5]	20	20
TanhLinFFNN	62.1 ± 12.8	0.33	[15, 5]	20	20
ReluFFNN	61.8 ± 20.7	0.33	[15, 5]	20	100
	60.5 ± 40.0	0.35	[15, 10, 3]	28	100
TanhFFNN	59.4 ± 43.3	0.36	[15, 10, 3]	28	200
TanhReluFFNN	59.3 ± 39.6	0.36	[10]	10	200
Laminorui I IIII	30.0 ± 00.0	0.00	[+0]	10	

TanhLinFFNN	59.3 ± 39.6	0.36	[10]	10	200
TanhFFNN	59.3 ± 39.6	0.36	[10]	10	200
TanhReluFFNN	59.1 ± 40.1	0.36	[10]	10	100
TanhFFNN	59.1 ± 40.1	0.36	[10]	10	100
	59.1 ± 40.1	0.36	[10]	10	100
m li bonn	58.9 ± 21.2	0.36	[15, 5]	20	200
TanhLinFFNN	58.8 ± 21.3	0.36	[15, 5]	20	50
	58.7 ± 21.3	0.36	[15, 5]	20	100
TanhReluFFNN	57.4 ± 6.9	0.37	[15, 10, 3]	28	20
TanhFFNN	56.6 ± 41.6	0.38	[15, 5]	20	50
Linear2HiddenLayer	55.8 ± 10.0	0.39	[15, 5]	20	20
•	55.0 ± 0.6	0.39	[15, 10, 3]	28	50
	54.6 ± 0.4	0.4	[15, 10, 3]	28	100
LinearFFNN	54.6 ± 0.3	0.4	[15, 5]	20	200
	54.6 ± 0.4	0.4	[15, 10, 3]	28	200
	54.6 ± 0.3	0.4	[15, 5]	20	100
TanhFFNN	54.5 ± 35.5	0.4	[15, 5]	20	200
LinconEENN	54.4 ± 1.4	0.4	[8, 4]	12	50
LinearFFNN	54.2 ± 0.7	0.4	[8, 4]	12	200
	54.1 ± 0.9	0.4	[15, 5]	20	200
Linear2HiddenLayer	54.1 ± 0.9	0.4	[15, 5]	20	100
	54.1 ± 2.0	0.4	[15, 5]	20	50
Relu1HiddenLayer	54.0 ± 50.7	0.4	[10]	10	50
LinearFFNN	53.9 ± 0.5	0.4	[8, 4]	12	100
Linearrrin	53.5 ± 0.3	0.41	[15, 5]	20	50
Linear2HiddenLayer	53.4 ± 10.2	0.41	[8, 4]	12	20
LinearFFNN	52.4 ± 3.2	0.42	[15, 5]	20	20
	52.1 ± 3.7	0.42	[8, 4]	12	200
Linear2HiddenLayer	52.1 ± 3.7	0.42	[8, 4]	12	100
	51.9 ± 3.8	0.42	[8, 4]	12	50
TanhFFNN	51.8 ± 30.6	0.42	[8, 4]	12	20
TanhReluFFNN	51.2 ± 21.9	0.43	[15, 10, 3]	28	50
LinearFFNN	50.8 ± 4.8	0.43	[8, 4]	12	20
ReluFFNN	50.1 ± 28.7	0.44	[8, 4]	12	20
	49.4 ± 4.7	0.44	[10]	10	100
LinearFFNN	49.3 ± 4.6	0.44	[10]	10	200
	49.3 ± 4.1	0.44	[15, 10, 3]	28	20
TanhFFNN	49.1 ± 42.5	0.45	[15, 5]	20	100
Linear1HiddenLayer	48.8 ± 7.4	0.45	[10]	10	100
LineartifiddenLayer	48.7 ± 7.3	0.45	[10]	10	200
LinearFFNN	48.1 ± 5.3	0.45	[10]	10	50
Linear1HiddenLayer	47.7 ± 9.2	0.46	[10]	10	50
Relu1HiddenLayer	45.0 ± 48.3	0.48	[10]	10	100
Linear1HiddenLayer	44.0 ± 14.5	0.49	[10]	10	20
Tanh1HiddenLayer	43.5 ± 42.3	0.49	[10]	10	20

41.0 ± 8.2	0.52	[10]	10	20
41.0 ± 50.5	0.52	[10]	10	200
40.8 ± 11.0	0.52	[10]	10	200
39.2 ± 10.2	0.53	[10]	10	100
26.2 ± 13.1	0.65	[10]	10	50
18.8 ± 72.7	0.71	[10]	10	50
14.2 ± 79.8	0.75	[10]	10	100
14.1 ± 78.3	0.75	[10]	10	200
-5.8 ± 4.3	0.93	[10]	10	20
	41.0 ± 50.5 40.8 ± 11.0 39.2 ± 10.2 26.2 ± 13.1 18.8 ± 72.7 14.2 ± 79.8 14.1 ± 78.3	$\begin{array}{cccc} 41.0 \pm 50.5 & 0.52 \\ 40.8 \pm 11.0 & 0.52 \\ 39.2 \pm 10.2 & 0.53 \\ 26.2 \pm 13.1 & 0.65 \\ 18.8 \pm 72.7 & 0.71 \\ 14.2 \pm 79.8 & 0.75 \\ 14.1 \pm 78.3 & 0.75 \\ \end{array}$	$\begin{array}{c ccccc} 41.0 \pm 50.5 & 0.52 & [10] \\ 40.8 \pm 11.0 & 0.52 & [10] \\ 39.2 \pm 10.2 & 0.53 & [10] \\ 26.2 \pm 13.1 & 0.65 & [10] \\ 18.8 \pm 72.7 & 0.71 & [10] \\ 14.2 \pm 79.8 & 0.75 & [10] \\ 14.1 \pm 78.3 & 0.75 & [10] \\ \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

1.2 Backward Feature Selection

SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.47 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.47 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.48 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp 97.49 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp 97.49 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp 98.20 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) 99.21 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 99.22 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 90.29 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 91.57 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 92.98 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 93.57 SG Coa		
Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.47 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.47 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.47 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.48 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 87.49 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time 87.59 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp 88.50 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) 89.29 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 80.29 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 81.50 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 82.9 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 83.57 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 85.57 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 86.09 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), PH Sol, Clay Conc, Cure Time (mi	features	R2
SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 76.07 SG Coating, Temp Alk Sol, NaOH Wt%, Dis Old, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 87.47 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 92.79 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 92.1 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 97.4 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time 97.59 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp 98.20 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) 74.51 Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 92.9 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 92.9 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 92.9 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 95.57 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 95.57 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 97.5 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp 97.7 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min),		
SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min)		76.07
SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH	SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp	76.07
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 92.1 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 97.4 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp 55.97 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp 53.91 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Tim	SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp	76.07
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp 92.1 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 97.4 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min) SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), PH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), PH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Al	SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp	87.47
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Con	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp	92.79
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min) Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Dip Time Sol (s), Clay Conc, Cure Time (min), Cure Temp	92.1
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) T4.51 Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure T	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp	97.4
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min) 74.51 Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 92.9 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 92.9 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 92.9 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 92.9 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp 93.57 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 85.71 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp 97.5 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp 98.6 Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp 99.7 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) 81 Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 92.75	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Cure Time (min), Cure Temp	55.97
Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) 81 Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Temp	53.91
SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SI Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, D	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Dip Time Sol (s), Clay Conc, Cure Time (min)	74.51
SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min),	Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp	92.9
SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 97.5 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp 43.32 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp 60.99 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) 81 Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 92.79 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 93.60	SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp	92.9
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 97.5 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp 43.32 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp 60.99 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) 81 Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.67 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 91.67	SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp	92.9
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 94.85 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.919 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 95.705	SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp	95.57
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 94.85 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.9 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 95.05	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Hydro Time (h), Clay Conc, Cure Time (min), Cure Temp	85.71
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 94.85 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.9 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 95.05	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp	97.5
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 94.85 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 9.19 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 9.57.05		43.32
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min) Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 94.85 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 9.19 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 9.57.05	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Temp	60.99
Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 95.705	SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Hydro Time (h), Clay Conc, Cure Time (min)	81
SG Coating, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 94.85 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 92.19 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 95.05		90.77
SG Coating, Temp Alk Sol, Dip Time Alk (min), pH Sol, Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 90.77 SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 91.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 91.66		90.77
SG Coating, Temp Alk Sol, NaOH Wt%, pH Sol, Clay Conc, Cure Time (min), Cure Temp 94.85 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp 95.66 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp 96.87 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Temp 96.88 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 97.99 SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 97.05		90.77
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), Clay Conc, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 57.05		
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Cure Time (min), Cure Temp SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 57.05		
SG Coating, Temp Alk Sol, NaOH Wt%, Dip Time Alk (min), pH Sol, Clay Conc, Cure Temp 57.05		

Table 2: Results of Backward Feature Elimination

- 1.3 Forward Feature Selection
- 1.4 Weight Analysis
- 1.5 Jackknife Sensitivity Analysis

features	R2
pH Sol	14.96
Hydro Time (h)	33.65
Dip Time Sol (s)	11.2
Clay Conc	68.7
Cure Time (min)	-15.76
SG Coating, Clay Conc	63.12
Temp Alk Sol, Clay Conc	63.12
NaOH Wt%, Clay Conc	63.12
Dip Time Alk (min), Clay Conc	47.64
pH Sol, Clay Conc	77.65
Hydro Time (h), Clay Conc	-24.51
Dip Time Sol (s), Clay Conc	68.92
Cure Time (min), Clay Conc	67.83
Cure Temp, Clay Conc	62.76
SG Coating, Clay Conc, pH Sol	82
Temp Alk Sol, Clay Conc, pH Sol	82
NaOH Wt%, Clay Conc, pH Sol	82
Dip Time Alk (min), Clay Conc, pH Sol	72.38
Hydro Time (h), Clay Conc, pH Sol	32.74
Dip Time Sol (s), Clay Conc, pH Sol	75.65
Cure Time (min), Clay Conc, pH Sol	70.52
Cure Temp, Clay Conc, pH Sol	71.84
Temp Alk Sol, Clay Conc, pH Sol, SG Coating	87.46
NaOH Wt%, Clay Conc, pH Sol, SG Coating	87.46
Dip Time Alk (min), Clay Conc, pH Sol, SG Coating	80.65
Hydro Time (h), Clay Conc, pH Sol, SG Coating	43.08
Dip Time Sol (s), Clay Conc, pH Sol, SG Coating	90.78
Cure Time (min), Clay Conc, pH Sol, SG Coating	62.85
Cure Temp, Clay Conc, pH Sol, SG Coating	58.38
Temp Alk Sol, Clay Conc, pH Sol, SG Coating, Dip Time Sol (s)	81.02
NaOH Wt%, Clay Conc, pH Sol, SG Coating, Dip Time Sol (s)	81.02
Dip Time Alk (min), Clay Conc, pH Sol, SG Coating, Dip Time Sol (s)	89.34
Hydro Time (h), Clay Conc, pH Sol, SG Coating, Dip Time Sol (s)	52.86
Cure Time (min), Clay Conc, pH Sol, SG Coating, Dip Time Sol (s)	73.46
Cure Temp, Clay Conc, pH Sol, SG Coating, Dip Time Sol (s)	67.5

Table 3: Results of Forward Feature Selection for different features

Feature	Weight Importance
Cure Temp	0.713951
Cure Time (min)	0.551723
Dip Time Alk (min)	0.490538
pH Sol	0.486925
SG Coating	0.471994
Clay Conc	0.466521
Temp Alk Sol	0.352937
NaOH Wt%	0.321755

Table 4: Results of Weight Analysis

Feature	Sensitivity	Variance
pH Sol	90.3353	0
Cure Temp	74.2398	0
Clay Conc	61.0197	5.04871e-29
Cure Time (min)	57.8055	1.26218e-29
Dip Time Alk (min)	17.788	2.01948e-28
Hydro Time (h)	12.1667	0
Dip Time Sol (s)	-0.423155	2.01948e-28
SG Coating	-4.62461	0
Temp Alk Sol	-4.62461	0
NaOH Wt $\%$	-4.62461	0

Table 5: Results of Jackknife Sensitivity Analysis