



EL FEDAWIA CO.
MINING & MANUFACTURING

Section No.51, 52 & 53 Mineral
Sector Bayad El-Arab industrial
zone Bani-Suef, Egypt
Telefax : +20 2 25204809
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Code	FW8T	FW10T	FW12T	FW15T	FW18T	FW20T	FW25T	FW35T
Chemical Analysis								
CaCO ₃	99 % Min.							
MgO	0.05 %							
Fe ₂ O ₃	0.01 %							
AL ₂ O ₃	0.01 %							
SiO ₂	0.02 %							
L.O.I	43.89 %							
<i>Fineness</i>		BY MALVERN MASTERSIZER 3000						
D (97) ($\pm 1 \mu\text{m}$)	8	10	12	15	18	20	25	35
D (50) ($\pm 0.2 \mu\text{m}$)	2	2.3	2.6	3.2	3.8	4.2	4.5	6.5
< 2 μm	50 ± 2 %	40 ± 2 %	35 ± 2 %	30 ± 2 %	28 ± 2 %	25 ± 2 %	22 ± 2 %	20 ± 2 %
Physical Analysis								
Brightness (RY) (Min.)	96.50%	96.50%	96.50 %	96.50 %	96.00 %	96.00 %	96.00 %	95.8 %
Whiteness (Min.)	98.50%	98.50%	98.50 %	98.50 %	98.00 %	98.00 %	98.00 %	97.8 %
Hardness (Mohs)	3	3	3	3	3	3	3	3
Moisture (wt. %)	0.2 Max.	0.2 Max.	0.2 Max.	0.2 Max.	0.2 Max.	0.2 Max.	0.2 Max.	0.2 Max.
PH value (ISO 787/9)	9 Max.	9 Max.	9 Max.	9 Max.	9 Max.	9 Max.	9 Max.	9 Max.
bulk Density (g/cm ³) (ISO 787/11)	0.6 ± 0.05	0.7 ± 0.05	0.75 ± 0.05	0.8 ± 0.05	0.85 ± 0.05	0.9 ± 0.05	0.95 ± 0.05	0.97 ± 0.05
Linseed Oil absorption (g/100g) (ISO 787/5)	22 ± 1	21.5 ± 1	21 ± 1	20.5 ± 1	20 ± 1	19 ± 1	18 ± 1	17 ± 1
Coated Stearic Acid ratio	1.2%	1%	0.95%	0.85%	0.8%	0.8%	0.8%	0.78%



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