



EL FEDAWIA CO.
MINING & MANUFACTURING

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Code	FW5N	FW6N	FW8N	FW10N	FW12N	FW18N	FW25N	FW35N
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) ($\pm 1 \mu\text{m}$)	5	6	8	10	12	18	25	35
D (50) ($\pm 0.2 \mu\text{m}$)	1.4	1.6	2	2.5	3.4	4.5	5.5	6.5
< 2 μm	70 ± 2 %	60 ± 2 %	50 ± 2 %	40 ± 2 %	34 ± 2 %	30 ± 2 %	25 ± 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. %)	0.3 Max.	0.3 Max.	0.3 Max.	0.3 Max.	0.3 Max.	0.3 Max.	0.3 Max.	0.3 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)	0.45 ± 0.05	0.5 ± 0.05	0.55 ± 0.05	0.57 ± 0.05	0.6 ± 0.05	0.7 ± 0.05	0.8 ± 0.05	0.85 ± 0.05
Linseed Oil absorption (g/100g) (ISO 787/5)	22.5 ± 1	21.5 ± 1	20.5 ± 1	19.5 ± 1	19 ± 1	18 ± 1	17 ± 1	16 ± 1