



ELWADY MINING
INDUSTRIES

Coated Calcium Carbonate

Grade	MR5T	MR6T	MR8T	MR10T	MR12T	MR15T	MR20T
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						
Top cut D (97)	5	6	8	10	12	15	20
Mean Particle size D (50)	1.4	1.6	2	2.5	3.4	3.2	4
< 2 μm	70 ±2 %	60 ±2 %	50 ±2 %	40 ±2 %	34 ±2 %	35 ±2 %	25 ±2 %
Physical Analysis							
Brightness (RY) (Min.)	96.50%	96.50%	96.50 %	96.50 %	96 %	96 %	96%
Whiteness (Min.)	98.5 %	98.5 %	98.5 %	98.5 %	98 %	98 %	98 %
Hardness (Mohs)	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.
PH value (ISO 787/9)	9 Max.	9 Max.	9 Max.	9 Max.	9 Max.	8 Max.	8 Max.
bulk Density (g/cm ³) (ISO 787/11)	0.75 ±0.05	0.8 ±0.05	0.83 ±0.05	0.87 ±0.05	0.9 ±0.05	0.92 ±0.05	1.00 ±0.05
Linseed Oil absorption (g/100g) (ISO 787/5)	21 ±1	20 ±1	19 ±1	18 ±1	17 ±1	16 ±1	14.5 ±1
STEARIC ACID %	1.4 ±0.1	1.3 ±0.1	1.2 ±0.1	1.0 ±0.1	0.95 ±0.1	0.9 ±0.1	0.85 ±0.1