

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES OF GROUND MICA POWDER

CHEMICAL ANALYSIS (Approx.)

		<u>VALUE</u>
Silica	(SiO ₂)	45.57%
Alumina	(Al ₂ O ₃)	36.10%
Potassium Oxide	(K ₂ O)	9.87%
Ferric Oxide	(Fe ₂ O ₃)	2.48%
Sodium Oxide	(Na ₂ O)	0.62%
Titanium Oxide	(TiO ₂)	0.20%
Calcium Oxide	(CaO)	0.21%
Magnesium Oxide	(MgO)	0.15%
Moisture Loss @ 100° C	(H ₂ O)	0.10%
Sulphure	(S)	0.01%
Graphite Carbon	(C)	0.44%
Loss on Ignition	(H ₂ O)	4.30%

PHYSICAL PROPERTIES (Approx.)

	<u>VALUE</u>
Specific Gravity Gm/Cm ³	2.84
Index of Refraction	1.58
Hardness (Moh's Scale)	2.5
pH Value (B.S.3483)	9.0
pH for Distilled Water	6.2
Oil Absorption (B.S. 3483)	60.75%
Water Soluble (B.S. 1765)	not more than 0.3%
Brightness	66-75
Effect by Common Acids	Slight
Phericity Factor	0.01
Softening Point	2800° F
Apparent Density lbs/Cu.Ft.	9-12