

CHARLES B. CRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

SYNTHETIC MICA FLUOROPHLOGOPYTE

This mica is a world-class, brilliant white material suitable for demanding applications. A synthetic material, this mica is manufactured rather than mined in a process that produces a mica-crystalline product. Stable up to 850 degrees centigrade, this product is used in high-tech and high purity applications.

CHEMICAL SPECIFICATIONS:

SiO ₂	42 - 44 %
MgO	26 - 27 %
K ₂ O	10 - 11.5 %
Al ₂ O ₃	10 - 11 %
F	8.8 - 9.1 %
CaO	0.8 - 1.6 %
Fe ₂ O ₃	0.14 - 0.16 %
Na ₂ O	0.3 - 0.56 %

TRACE SPECIFICATIONS:

Pb	10 ppm max
P	50 ppm max

PHYSICAL SPECIFICATIONS:

Color	Very white, 93+
Refractive Index	1.592
Spec. Gravity	2.8
Bulk Density	0.24 - 0.30 gr/cm
Thermal Stability	Over 1000 C
Acid Solubles	2.0% max
Dielectric Strength	20 KV/MM minimum
Water Absorption	0.45 maximum

PARTICLE SIZE:

Type	Flake	Sparkle	Powder	Micro
Grade	50 - 250 Min	20 - 80	10 - 40	800 Mesh
D95	200 Micron	90	50	35
D50	95	40	22	15
D5	38	14	10	4

ORIGIN: CHINA

PACKING: 25 KG PLASTIC BAGS or SUPERSACKS