

CHARLES B. CRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

SURFACE MODIFIED MICROCRYSTALLINE SILICA

This mineral is surface modified with an Epoxy Silane designed for superior bonding and improved performance in Polymer systems. Two grades are offered with identical chemistry and differing particle size.

TYPICAL CHEMICAL SPECS

SiO ₂	99.3
Fe ₂ O ₃	0.04
Al ₂ O ₃	0.10
TiO ₂	0.02
CaO	0.02
MgO	0.02

TYPICAL PHYSICAL SPECS

Shape	Platelets in clusters
Spec. Gravity	2.65
Index of Refraction	1.55
pH	6.0-7.0
Hardness	7 mohs
LOI at 1000°C	0.2%
Oil absorption of the unmodified silica	17-20 spatula method

PARTICLE SIZE FOR TWO GRADES, as % passing

Size	325 grade	1250 grade
75u 200 mesh	99%	100%
44u 325 "	93-98	99-100%
20u	--	94%
average	13 micron	9 micron

ORIGIN USA

PACKING 50 lb bags or pallets ; Super Sacks