SILICA FUME

Silica Fume, also known as Microsilica, is a mineral composed of ultra fine amourphous spheres of silicon dioxide (SiO_2) and is a byproduct of the manufacturing of silicon metal or ferro silicon.

TYPICAL APPLICATIONS

Filler for Rubbers and Plastics	Whitening
Flow Additive	Surface Modifiers
Coatings	Refractories
Adhesives	Thickeners
Concrete Admixture	Anti-Slip Applications
Sealants	

TYPICAL PROPERTIES

- Anti-Caking Agent
- Lubricant
- Filler
- Improved Durability
- Increased Strength
- Increased Flowability
- Decreased Water Consumption
- Abrasion Resistance
- Corrosion Resistance
- Chemical Resistance

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TYPICAL ANALYSIS

Analysis	Typical Results		
	PSF 87	PSF 92	PSF 94
SiO_2	86.40%	92.09%	94.8%
K_2O	1.34%	1.12%	0.63%
Na2O	0.52%	0.42%	0.35%
ZrO_2%	N/A	N/A	N/A
Al_2O_3	N/A	N/A	N/A
Fe_2O_3	N/A	N/A	N/A
CaO	N/A	N/A	N/A
MgO	N/A	N/A	N/A
TiO_2	N/A	N/A	N/A
Carbon	N/A	N/A	N/A
pH Value	N/A	N/A	N/A
Loss on Ignition at 750°C	1.87%	1.60%	0.90%
White Degree %	N/A	N/A	N/A
Moisture Content (when bagged)	0.41%	0.40%	0.43%
Course Particles: >45 micron	4.0%	3.6%	2.4%
Specific Surface Area (B.E.T.)	18 m^2/g	20 m^2/g	20 m^2/g
Bulk Denisty (kg/m3)	200-350	200-350	200-350
	600-700	600-700	

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