

ZIRCONIA FUME

Zirconia Fume is a mineral composed of ultra fine amorphous spheres of zirconia and is a byproduct of the manufacturing of fused zirconia.



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



TYPICAL ANALYSIS

	PSF 94U	PSF 87Z
SiO ₂	94.58%	87%
K ₂ O	N/A	N/A
Na ₂ O	0.16%	N/A
ZrO ₂ %	3.2%	12.5%
Al ₂ O ₃	N/A	0.3%
Fe ₂ O ₃	N/A	0.2%
CaO	N/A	<0.1%
MgO	N/A	<0.1%
TiO ₂	N/A	<0.1%
Carbon	N/A	<0.3%
pH Value	7.2	N/A
Loss on Ignition at 750°C	2.3%	N/A
White Degree %	89%	N/A
Moisture Content (when bagged)	N/A	N/A
Course Particles: >45 micron	N/A	2%
Specific Surface Area (B.E.T.)	19.34 m ² /g	20 m ² /g
Bulk Denisty (kg/m ³)Fe	488	N/A

