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**MINERAL FILLERS
 -SILICAS-**

KONASIL® - FUMED SILICA PRODUCTS

PRODUCT DESCRIPTION:

Konasil products are fluffy white powder silicas of amorphous structure. They have extremely small particle size and spherical morphology, high surface area, unique surface chemistry, and high purity. Konasil is divided into two groups according to the surface chemistry: hydrophilic and hydrophobic. The hydrophilic silicas are untreated. The hydrophobic silica is treated with organosilane.

TYPICAL PROPERTIES:

<i>Grades:</i>	<i>Densified</i>	<i>Hydrophilic</i>	<i>Hydrophobic</i>
		<i>K-200</i>	<i>K-D15</i>
Appearance		white	white
Form		powder	powder
Dry Loss (2 hrs @ 105°C), % max.		≤1.0	≤0.5
pH (4% slurry)*		3.7-4.7	3.7-6.0
325 Mesh Sieve Residue, %		≤0.05	≤0.05
Surface Area (BET), m ² /g		175-225	100-140
Bulk Density (tapped standard), g/liter		50	50
(tapped densified), g/liter		100	

*4% in water for Hydrophilic or 4% in Methanol Mixture for Hydrophobic

APPLICATIONS:

Silicas increase hardness, tensile strength, bond strength, abrasion and tear resistance. They provide viscosity control, thixotropic behavior, free flow and anti-blocking/anti-slip behavior. Konasil can be used in Silicone rubbers, plastics, sealants, Polyester resin and gel coats.

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