

Fumed Silica

Product Name:Fumed Silica

Molecular Formula:SiO₂

CAS No.:7631-86-9

Product Standard:GB/T 20020-2013

Physical and Chemical Properties:Melting Point/ Freezing Point: 1750°C

Vapour Pressure: 32hPa (25°C)

Relative Density (water=1): 0.22

Appearance: Fluffy White Powder

Technological Index:

Item	Index			
	HS-150	HS-200	HS-300	HS-380
Surface Area (m ² /g)	150~185	185~225	275~325	355~405
Ignition loss /% ≤				2.5
Silicon dioxide /% ≥				99.8
Aluminium oxide /(mg/Kg) ≤				400
Titanium Dioxide(mg/Kg) ≤				200
Ferric Oxide/ (mg/Kg) ≤				30
Content of Carbon /% ≤				0.2
Chloride/(mg/kg) ≤				250
PH Value in Aqueous Dispersion				3.7~4.5
Volatilization Loss (105°C) /% ≤				2
Tap density(g/dm ³)				30~60
45μm Sieve Residue /% ≤				250

Properties and Uses

It is white, loose, amorphous, non-toxic and non-odorous nonmetal oxide. Due to the nanometer effect, it has excellent properties, such as reinforce, bodying, thixotropy, insulation and others. Therefore, it can be widely used in the rubber, plastic, paint coating, adhesive, seals and other polymer industrial area.

Package, Storage and Handling

10kg/paper bag. Keep in a cool, dry, well-ventilated place. Store away from incompatible substances such as oxidizing agents.