

Roopal FS-151

(Hydrophobic Fumed Silica)
 ALSO KNOWN AS
 (Silicon Dioxide)
Technical Data Sheet

Properties	Unit	Typical Value	Testing Standard
Specific surface area (BET)	m ² /g	130+/-20	GB/T 20020
pH in 4% Dispersion (H ₂ O: Ethanol=1:1)	-	3.7-4.5	GB/T 20020
Loss on Drying (2hr@105*c)	%	≤ 0.7	GB/T 20020
Loss on ignition for 2hrs@1000*c (based on material dried for 2 hrs@105*c)	%	≤ 2.5	GB/T 20020
Silica Content (Based on ignited material)	%	≥ 99.8	GB/T 20020
Tamped Density (based on material dried for 2 hrs @105*c)	g/dm ³	40-60	GB/T 20020
Carbon content (based on material dried for 2 hrs@105*c)	%	0.6-1.2	GB/T 20020

Applications

Inks, Paints and Coatings
 Adhesives & sealants
 Silicon rubber, especially RTV-T
 Powder coating

Properties

Thixotropy & reinforcement in RTV
 Silicone sealants, the hydrophobic RTV
 feature gives RTV silicone sealants a
 long life. Rheology control in adhesives
 Anti-settling, sagging & thickening gent
 Free flow aid and anti-caking aid for
 powder

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