RAYASIL® 168

Technical Data Sheet

RAYASIL 168 is precipitated silica, synthetic form of silicon dioxide produced through controlled chemical processes, resulting in a fine, white, odorless powder with unique physical and chemical properties. It is widely used across various industries due to its high purity, large surface area, and exceptional absorption capacity.

Physical and Chemical Characteristics

	Value	*Unit*	*Method*
Appearance	powder		
60 Mesh Sieve residue	-	wt%	
Sieve residue 45 µm	≤ 0.5	wt%	Internal
Average Particle Size (D50)	5-12	µm	Malvern MS 2000
SiO_2 content	≥97	wt%	ISO 3262-19
Na_2SO_4 content	≤ 2	wt%	Internal method
Fe content	≤ 200	ppm	Internal method
Loss on drying	≤10	wt%	ISO 787-2
Oil Absorption	250	gr/100 gr	ISO 787-5
Specific Surface Area (BET)	180	m^2/gr	ISO 9277
Temped Density	300	g/l	ISO 787-11
Hardness	6-7	Mohs	
pH 5 wt%	6-8		ISO 787-9
Refractive index	1.48		
Classification	Inorganic		
CAS number	7631-86-9		
Sensitivity	Hygroscopic		
Storage	Dry, tight-closed, at a regular temperature		
Solubility	Insoluble in water		
Package	20	Kg	

The above given information is based on mean values. The typical properties and chemical analyses are intended as examples and are not to be considered as substitutes for actual testing and analyses in those situations where properties and chemical compositions are critical factors. Sales and supplies will always be according to our general sales conditions.

MSDS available on request

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