

Imerys Minspar 1 Feldspar

Category : Ceramic , Clay , Feldspar Clay , Oxide , Silicon Oxide

Material Notes:

Minspar 1 is a minus 30 mesh Feldspar product used in the glass container and ceramic tile markets. Information provided by Imerys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Imerys-Minspar-1-Feldspar.php

Physical Properties	Metric	English	Comments
Bulk Density	1.52 g/cc	0.0550 lb/in ³	loose
	1.60 g/cc	0.0579 lb/in ³	packed
Brightness	91 %	91 %	Dry Brightness (Green Filter)
Water Absorption	0.10 %	0.10 %	
	8.0 %	8.0 %	Damp
Particle Size	>= 5.0 µm	>= 5.0 µm	trace
	>= 10 µm	>= 10 µm	trace
	>= 20 µm	>= 20 µm	trace
	>= 30 µm	>= 30 µm	0.3% finer than
	175 µm	175 µm	mean
Particle Mesh Size	20 Mesh	20 Mesh	0% retained
	30 Mesh	30 Mesh	0.7% retained
	40 Mesh	40 Mesh	11.3% retained
	100 Mesh	100 Mesh	60% retained
	170 Mesh	170 Mesh	12% retained
	200 Mesh	200 Mesh	6% retained
	325 Mesh	325 Mesh	4% retained
pH	8.0	8.0	
Specific Surface Area	0.10 - 0.20 m ² /g	0.10 - 0.20 m ² /g	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	6.0 - 6.5	6.0 - 6.5	Damp

Optical Properties	Metric	English	Comments
Refractive Index	1.53	1.53	Damp

Component Elements Properties	Metric	English	Comments
Al2O3	18.5 %	18.5 %	
CaO	1.5 %	1.5 %	
Fe2O3	0.050 %	0.050 %	
K2O	4.1 %	4.1 %	
Loss on Ignition(%)	0.30 %	0.30 %	
Na2O	6.2 %	6.2 %	
SiO2	68.6 %	68.6 %	

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