

Imerys Franklin R Kaolin

Category : Ceramic , Clay , Kaolin Clay , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Franklin R is an intermediate-grained Kaolin used as a filler in soft rubber products, plastic compounds, adhesives, protective coatings and similar applications. Information provided by Imerys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Imerys-Franklin-R-Kaolin.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	
Brightness	>= 78 %	>= 78 %	G.E. Brightness
Oil Absorption	32 %	32 %	g/100g clay; ASTM D-281
Particle Size	0.50 µm	0.50 µm	28% finer than
	1.0 µm	1.0 µm	46.5% finer than
	1.2 µm	1.2 µm	median
	2.0 µm	2.0 µm	63% finer than
	5.0 µm	5.0 µm	81.5% finer than
	10 µm	10 µm	92% finer than
Particle Mesh Size	20 µm	20 µm	96% finer than
	325 Mesh	325 Mesh	0.5% retained
pH	4.5 - 6.5	4.5 - 6.5	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	38.1 %	38.1 %	
CaO	0.47 %	0.47 %	
Fe ₂ O ₃	0.55 %	0.55 %	
K ₂ O	0.20 %	0.20 %	
Loss on Ignition(%)	13.6 %	13.6 %	
MgO	0.040 %	0.040 %	
Na ₂ O	0.11 %	0.11 %	
SiO ₂			

Component Elements Properties	45.3 % Metric	45.3 % English	Comments
TiO2	1.52 %	1.52 %	

Processing Properties	Metric	English	Comments
Moisture Content	<= 1.0 %	<= 1.0 %	

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