

Imerys Allen,ç G Kaolin

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

Material Notes:

Allen G is an intermediate-grained kaolin used as a suspension aid in ceramic glazes. Information provided by Imerys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Imerys-Allen-G-Kaolin.php

Physical Properties	Metric	English	Comments
Particle Size	0.50 Åµm	0.50 Åµm	28% finer than
	1.0 Åµm	1.0 Åµm	47% finer than
	2.0 Åµm	2.0 Åµm	63% finer than
	5.0 Åµm	5.0 Åµm	82% finer than
	10 Åµm	10 Åµm	92% finer than
	20 Åµm	20 Åµm	97% finer than
Particle Mesh Size	325 Mesh	325 Mesh	0.5% retained
pH	5.5	5.5	
Specific Surface Area	13.5 mÅ²/g	13.5 mÅ²/g	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00207 GPa	0.300 ksi	De-aired, Extruded, 50% Kaolin/50% Flint

Component Elements Properties	Metric	English	Comments
Al2O3	38.5 %	38.5 %	
CaO	0.10 %	0.10 %	
Carbon, C	0.040 %	0.040 %	
Fe2O3	0.50 %	0.50 %	
K2O	0.10 %	0.10 %	
Loss on Ignition(%)	13.6 %	13.6 %	
MgO	0.10 %	0.10 %	
Na2O	0.10 %	0.10 %	
SiO2	45 %	45 %	

Component Elements Properties	Metric	English	Comments
TiO2	1.5 %	1.5 %	

Descriptive Properties	Value	Comments
M.B.I. (meq/100g)	3.5	

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