

Imerys KT Castâ„ç Kaolin

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

Material Notes:

KT Cast is a coarse-grained, white firing kaolin that is used primarily in casting bodies based on its fast casting and exceptional deflocculation characteristics. Information provided by Imerys

Order this product through the following link:

http://www.lookpolymers.com/polymer_Imerys-KT-Cast-Kaolin.php

Physical Properties	Metric	English	Comments
Particle Size	0.50 Åµm	0.50 Åµm	21% finer than
	1.0 Åµm	1.0 Åµm	41% finer than
	2.0 Åµm	2.0 Åµm	60% finer than
	5.0 Åµm	5.0 Åµm	75% finer than
	10 Åµm	10 Åµm	87% finer than
	20 Åµm	20 Åµm	95% finer than
	Particle Mesh Size	325 Mesh	325 Mesh
pH	5.5	5.5	
Specific Surface Area	12 mÅ²/g	12 mÅ²/g	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00155 GPa	0.225 ksi	dry

Component Elements Properties	Metric	English	Comments
Al2O3	38.8 %	38.8 %	
CaO	0.10 %	0.10 %	
Carbon, C	0.030 %	0.030 %	
Fe2O3	0.40 %	0.40 %	
K2O	0.10 %	0.10 %	
Loss on Ignition(%)	13.6 %	13.6 %	
MgO	0.10 %	0.10 %	
Na2O	0.10 %	0.10 %	

SiO ₂ Component Elements Properties	45.1 % Metric	45.1 % English	Comments
Sulfur, S	0.030 %	0.030 %	
TiO ₂	1.6 %	1.6 %	

Descriptive Properties	Value	Comments
M.B.I. (meq/100g)	2.5	

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