

Dandong Taico Minerals TAICOCITE® TC80 Magnesium Hydroxide

Category : Ceramic

Material Notes:

Made from local natural brucite minerals, TAICOCITE® is the name of milled magnesium hydroxide products which is produced (micronized/surface treated) by Dandong Taico Minerals Co., Ltd. TAICOCITE® magnesium hydroxides are effective flame retardant fillers for polymeric materials, achieving high values of limiting oxygen index, smoke emission reduction and toxic gas absorption. TAICOCITE® flame retardants are odorless, non-toxic, white micronized powder of normal size distribution. According to requirements from different customers, we provide TAICOCITE® flame retardants with different size distributions, specific surface area and surface modifications to bring the final products different properties; The surface modifications could bring following properties: Improves compatibility and dispersion uniformity, Enhances flame retardant performance, Improves physical properties, Less equipment abrasion and Higher throughput rates

Information provided by Dandong Taico Minerals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dandong-Taico-Minerals-TAICOCITE-TC80-Magnesium-Hydroxide.php

Physical Properties	Metric	English	Comments
Density	2.30 g/cc	0.0831 lb/in ³	
Brightness	95 %	95 %	Whiteness
Oil Absorption	50 - 55 %	50 - 55 %	ml/100g
Loss On Ignition	30 - 34 %	30 - 34 %	
Particle Size	1.5 µm	1.5 µm	D50
	5.0 µm	5.0 µm	D90
pH	9.0 - 10	9.0 - 10	
Specific Surface Area	6.0 - 8.0 m ² /g	6.0 - 8.0 m ² /g	

Thermal Properties	Metric	English	Comments
Decomposition Temperature	330 - 340 °C	626 - 644 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.561 - 1.581	1.561 - 1.581	

Component Elements Properties	Metric	English	Comments
CaO	<= 1.0 %	<= 1.0 %	
Fe ₂ O ₃	<= 0.50 %	<= 0.50 %	
Free Water	<= 0.50 %	<= 0.50 %	

Component Elements Properties	Metric	English	Comments
SiO2	<= 3.0 %	<= 3.0 %	

Descriptive Properties	Value	Comments
Acid insoluble	<2%	
Activation Index	>95%	
Mg(OH)2	>94%	
Sieve Test	+45 um	0.0001

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