

Malvern Minerals Wollastokup® FT Silane Treated Wollastonite

Category : Ceramic , Oxide , Silicon Oxide , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Wollastokup® is a custom, silane treated calcium metasilicate (wollastonite) which is used as a functional filler in coatings, plastics, rubber and others due in part to its acicular or "toothpick" shape. Within coatings, Wollastokup® improves the durability of the film, improves resistance to weathering, reduces gloss, acts as a flattening and suspending agent and reduces pigment consumption. In plastics, improvements in tensile and flexural strength along with reduction in resin consumption are among the many benefits within plastics. Additionally, improvements in thermal and dimensional stability at elevated temperatures are noted within plastics. Information provided by Malvern Minerals Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Malvern-Minerals-Wollastokup-FT-Silane-Treated-Wollastonite.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.90 g/cc	2.90 g/cc	
Oil Absorption	32 %	32 %	
Moisture Absorption at Equilibrium	<= 0.10 %	<= 0.10 %	
Particle Size	50 µm	50 µm	D50
pH	9.0 - 10	9.0 - 10	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	4.0 - 5.0	4.0 - 5.0	

Thermal Properties	Metric	English	Comments
Melting Point	838 °C	1540 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.63	1.63	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	0.25 %	0.25 %	
CaO	46.5 %	46.5 %	
Fe ₂ O ₃	0.20 %	0.20 %	
Loss on Ignition(%)	<= 1.0 %	<= 1.0 %	Inorganic
MgO	0.20 %	0.20 %	

Component Elements Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Color	White Powder	

Contact Songhan Plastic Technology Co.,Ltd.

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