

Reade Advanced Materials Petalite Powder (Li₂O·Al₂O₃·8SiO₂)

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Rare, light and fragile with tabular or columnar crystals. A monoclinic mineral with a framework silicate structure. Its color is creamy to white and sometimes to more rarely pinkish. It has a thermal expansion coefficient lower than almost any other inorganic or organic filler. An important ore of lithium. Used as a lithium addition glasses and porcelain enamels. Forms Available: Sintered pieces, targets, and powder. Information provided by Reade Advanced Materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reade-Advanced-Materials-Petalite-Powder-Li2OAl2O38SiO2.php

Physical Properties	Metric	English	Comments
Density	2.350 - 2.470 g/cc	0.08490 - 0.08924 lb/in ³	
pH	7.5 - 10.5	7.5 - 10.5	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	6.0 - 6.5	6.0 - 6.5	20°C

Thermal Properties	Metric	English	Comments
CTE, linear	-0.300 - 0.500 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 20.0 - 100 °C	-0.167 - 0.278 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 68.0 - 212 °F	
Melting Point	1400 °C	2550 °F	

Descriptive Properties	Value	Comments
Crystal Structure	monoclinic	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China