

Goodfellow Alumino-silicate Glass Ceramic

Category : Ceramic , Glass , Glass Ceramic , Oxide , Aluminum Oxide

Material Notes:

SiO₂ 57/Al₂O₃ 36/CaO/MgO/BaOPorous ceramics can be used as filters and for the controlled release of volatile chemicals. In this material, Alumino-Silicate particles are found in a glassy matrix. The resulting ceramic is used to remove solids from gases and liquids, and liquids such as oil and water from gases. This grade removes particles down to 30 microns in diameter. It has a high cross breaking strength and so is able to withstand high differential pressure. It is resistant to hot and cold acids, except hydrofluoric acid and acid fluorides, and is also resistant to alkaline solutions up to pH9, and hot gases up to 900C. Information provided by Goodfellow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-Alumino-silicate-Glass-Ceramic.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-------------------|
| Density | 2.65 g/cc | 0.0957 lb/in ³ | |
| Porosity | 45 % | 45 % | Apparent Porosity |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|-----------------------------|-----------------------------|----------------|
| CTE, linear | 5.00 µm/m-°C | 2.78 µin/in-°F | |
| | @Temperature 20.0 - 1000 °C | @Temperature 68.0 - 1830 °F | |
| Maximum Service Temperature, Air | 900 °C | 1650 °F | Continuous Use |

| Optical Properties | Metric | English | Comments |
|--------------------|---------|---------|----------|
| Refractive Index | <= 1.54 | <= 1.54 | |

| Component Elements Properties | Metric | English | Comments |
|--------------------------------|--------|---------|----------|
| Al ₂ O ₃ | 36 % | 36 % | |
| SiO ₂ | 57 % | 57 % | |

| Descriptive Properties | Value | Comments |
|--|-------|----------|
| Chemical Resistance - Alkalies | Good | |
| Chemical Resistance - Concentrated Acids | Fair | |
| Chemical Resistance - Dilute Acids | Good | |

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