

Corning Vycor® 7930 Porous Glass

Category : Ceramic , Glass , Optical , Oxide , Silicon Oxide

Material Notes:

Open cell porous glass which exhibits excellent moisture absorbing properties ("thirsty"). It is mechanically hard and strong, nondusting, nonflaking, and chemically inert. These properties allow it to be employed as a noncontaminating getter - it rapidly absorbs water and organic contaminants. It is often used for filtration and separation of compounds. The open-cell network allows permeability on a selective basis. Also available crushed/powdered. Information provided by Corning Incorporated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Corning-Vycor-7930-Porous-Glass.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	
Porosity	28 %	28 %	by volume
Specific Surface Area	250 m ² /g	250 m ² /g	Internal
Pore Size	0.00400 microns	0.000157 mil	Average

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	17.2 GPa	2500 ksi	
Modulus of Rupture	0.0414 GPa	6.00 ksi	Abraded "A" Rods

Thermal Properties	Metric	English	Comments
CTE, linear	0.750 µm/m-°C @Temperature 0.000 - 300 °C	0.417 µin/in-°F @Temperature 32.0 - 572 °F	
Softening Point	1530 °C	2790 °F	
Annealing Point	1020 °C	1870 °F	
Strain Point	890 °C	1630 °F	

Component Elements Properties	Metric	English	Comments
B2O3	3.0 %	3.0 %	
Na2O	0.40 %	0.40 %	
SiO2	96 %	96 %	

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 100 Hz	@Frequency 100 Hz	After activation at 400°C and desiccator drying
Dissipation Factor	0.0070 @Frequency 100 Hz	0.0070 @Frequency 100 Hz	After activation at 400°C and desiccator drying

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