

## Schott Glass 8242 Borosilicate Glass

Category : Ceramic , Glass

### Material Notes:

Borosilicate glass for sealing to Kovar metal and molybdenum, electrically highly insulating, low refractive index Clad tube for optical fibers, glass metal sealing The heavy metal content for the elements lead, mercury, and hexavalent chromium is below 100 ppm Information provided by SCHOTT AG.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-Glass-8242-Borosilicate-Glass.php](http://www.lookpolymers.com/polymer_Schott-Glass-8242-Borosilicate-Glass.php)

Physical Properties	Metric	English	Comments
Density	2.27 g/cc @Temperature 25.0 Â°C	0.0820 lb/inÂ³ @Temperature 77.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear	4.70 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	2.61 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	ISO 7991
Transformation Temperature, Tg	465 Â°C	869 Â°F	ISO 7884-8
Softening Point	715 Â°C	1320 Â°F	Viscosity 10<sup>7.6</sup> dPa s; ISO 7884-3
Working Point	1130 Â°C	2070 Â°F	Viscosity 10<sup>4</sup> dPa s; ISO 7884-2
Annealing Point	480 Â°C	896 Â°F	Viscosity 10<sup>13</sup> dPa s; ISO 7884-4

Optical Properties	Metric	English	Comments
Refractive Index	1.48 @Wavelength 587.6 nm	1.48 @Wavelength 587.6 nm	

Chemical Properties	Metric	English	Comments
Acid Class, SR	4	4	DIN 12116
Alkali Class, AR	3	3	ISO 695

Descriptive Properties	Value	Comments
Hydrolytic Resistance	Class HGB 2	ISO 719

## **Contact Songhan Plastic Technology Co.,Ltd.**

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