

Schott Glass 8650 Sealing Glass

Category : Ceramic , Glass

Material Notes:

Sealing glass for molybdenum, free from Na and K, of high lead content Implosion diodes Information provided by SCHOTT AG.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-Glass-8650-Sealing-Glass.php

Physical Properties	Metric	English	Comments
Density	3.57 g/cc	0.129 lb/in ³	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	62.0 GPa	8990 ksi	
Poissons Ratio	0.23	0.23	

Thermal Properties	Metric	English	Comments
CTE, linear	5.10 Âµm/m-Â°C	2.83 Âµin/in-Â°F	ISO 7991
	@Temperature 20.0 - 300 Â°C	@Temperature 68.0 - 572 Â°F	
Thermal Conductivity	0.500 W/m-K	3.47 BTU-in/hr-ftÂ²- Â°F	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Transformation Temperature, Tg	475 Â°C	887 Â°F	ISO 7884-8
Softening Point	625 Â°C	1160 Â°F	Viscosity 10^{7.6} dPa s; ISO 7884-3
Working Point	885 Â°C	1630 Â°F	Viscosity 10⁴ dPa s; ISO 7884-2
Annealing Point	475 Â°C	887 Â°F	Viscosity 10¹³ dPa s; ISO 7884-4

Optical Properties	Metric	English	Comments
Refractive Index	1.618	1.618	
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	

Electrical Properties	Metric	English	Comments
	7.6	7.6	

Electrical Properties	Metric	English	Comments
	@Frequency 1.00e+6 Hz, Temperature 25.0 Â°C	@Frequency 1.00e+6 Hz, Temperature 77.0 Â°F	
	0.0033	0.0033	
Dielectric Loss Index	@Frequency 1.00e+6 Hz, Temperature 25.0 Â°C	@Frequency 1.00e+6 Hz, Temperature 77.0 Â°F	

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 1	ISO 719
Stress-optical Coefficient K (10-6mm2N-1)	2.8	DIN 52314

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