

## Schott Glass 8651 Sealing Glass

Category : Ceramic , Glass

### Material Notes:

Tungsten sealing glass Power diodes Information provided by SCHOTT AG.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-Glass-8651-Sealing-Glass.php](http://www.lookpolymers.com/polymer_Schott-Glass-8651-Sealing-Glass.php)

Physical Properties	Metric	English	Comments
Density	2.91 g/cc @Temperature 25.0 Â°C	0.105 lb/inÂ³ @Temperature 77.0 Â°F	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	59.0 GPa	8560 ksi	
Poissons Ratio	0.24	0.24	

Thermal Properties	Metric	English	Comments
CTE, linear	4.40 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	2.44 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	ISO 7991
Thermal Conductivity	0.900 W/m-K @Temperature 90.0 Â°C	6.25 BTU-in/hr-ftÂ²- Â°F @Temperature 194 Â°F	
Transformation Temperature, Tg	549 Â°C	1020 Â°F	ISO 7884-8
Softening Point	736 Â°C	1360 Â°F	Viscosity 10<sup>7.6</sup> dPa s; ISO 7884-3
Working Point	1034 Â°C	1893 Â°F	Viscosity 10<sup>4</sup> dPa s; ISO 7884-2
Annealing Point	540 Â°C	1000 Â°F	Viscosity 10<sup>13</sup> dPa s; ISO 7884-4

Optical Properties	Metric	English	Comments
Refractive Index	1.552 @Wavelength 587.6 nm	1.552 @Wavelength 587.6 nm	

Electrical Properties	Metric	English	Comments
	1.00e+10 ohm-cm	1.00e+10 ohm-cm	

Volume Resistivity Electrical Properties	Metric @ Temperature 350 Å°C	English @ Temperature 662 Å°F	Comments
	1.60e+11 ohm-cm	1.60e+11 ohm-cm	
	@Temperature 250 Å°C	@Temperature 482 Å°F	
Dielectric Constant	6.0	6.0	
	@Frequency 1.00e+6 Hz, Temperature 25.0 Å°C	@Frequency 1.00e+6 Hz, Temperature 77.0 Å°F	
Dielectric Loss Index	0.0031	0.0031	
	@Frequency 1.00e+6 Hz, Temperature 25.0 Å°C	@Frequency 1.00e+6 Hz, Temperature 77.0 Å°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)	3.6	DIN 52314

## Contact Songhan Plastic Technology Co.,Ltd.

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