

## Schott Glass 8360 Lead-Free Soft Glass

Category : Ceramic , Glass

### Material Notes:

Soft glass, lead-free Encapsulation of semiconductor components at low temperature (diodes) The heavy metal content for the elements lead, mercury, cadmium, and hexavalent chromium is less than 100 ppm Information provided by SCHOTT AG.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-Glass-8360-Lead-Free-Soft-Glass.php](http://www.lookpolymers.com/polymer_Schott-Glass-8360-Lead-Free-Soft-Glass.php)

Physical Properties	Metric	English	Comments
Density	2.66 g/cc @Temperature 25.0 Â°C	0.0961 lb/inÂ³ @Temperature 77.0 Â°F	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	85.0 GPa	12300 ksi	
Poissons Ratio	0.24	0.24	

Thermal Properties	Metric	English	Comments
CTE, linear	9.10 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	5.06 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	575 Â°C	1070 Â°F	Viscosity 10<sup>7.6</sup> dPa s; ISO 7884-3
Working Point	745 Â°C	1370 Â°F	Viscosity 10<sup>4</sup> dPa s; ISO 7884-2
Annealing Point	470 Â°C	878 Â°F	Viscosity 10<sup>13</sup> dPa s; ISO 7884-4

Optical Properties	Metric	English	Comments
Refractive Index	1.566 @Wavelength 587.6 nm	1.566 @Wavelength 587.6 nm	

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+6 ohm-cm @Temperature 350 Â°C	5.00e+6 ohm-cm @Temperature 662 Â°F	
	3.20e+8 ohm-cm	3.20e+8 ohm-cm	

Electrical Properties	Metric	English	Comments
	@ Temperature 250 Â°C	@ Temperature 482 Â°F	
Dielectric Constant	7.3	7.3	
	@Frequency 1.00e+6 Hz, Temperature 25.0 Â°C	@Frequency 1.00e+6 Hz, Temperature 77.0 Â°F	
Dielectric Loss Index	0.0024	0.0024	
	@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 3	ISO 719
Stress-optical Coefficient K (10-6mm2N-1)	2.9	DIN 52314
tk100(Â°C)	275	

## Contact Songhan Plastic Technology Co.,Ltd.

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