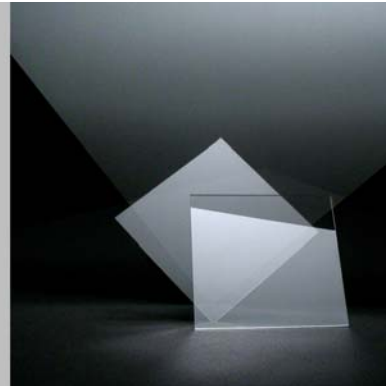


Kovar® Sealing Glass 7056



Lighting &
Materials

Glass Property Sheet Corning Code: 7056 Glass Type: Alkali Borosilicate

	<u>Metric</u>	<u>English</u>
Mechanical		
Density	2.29 g/cm ³	143 lb/ft ³
Young's Modulus	6.4 x 10 ³ kg/mm ²	9.2 x 10 ⁶ psi
Poisson's Ratio	0.21	
Shear Modulus	2.7 x 10 ³ kg/mm ²	3.8 x 10 ⁶ psi
Viscosity		
Working Point (10 ⁴ poise)	1058 °C	1936 °F
Softening Point (10 ^{7.6} poise)	718 °C	1324 °F
Annealing Point (10 ¹³ poise)	512 °C	954 °F
Strain Point (10 ¹⁴ poise)	472 °C	882 °F
Thermal		
Coefficient of Expansion (0-300 °C)	51.5 x 10 ⁻⁷ / °C	28.5 x 10 ⁻⁷ / °F
(25 °C to set point 679 °C)	54.5 x 10 ⁻⁷ / °C	30.0 x 10 ⁻⁷ / °F

Optical

Refractive Index (589 nm)	1.487
Birefringent Constant	$300^{\text{nm/cm}}/\text{kg/mm}^2$

Electrical

Log ₁₀ Volume Resistivity at 250 °C	10.3 ohm-cm
Log ₁₀ Volume Resistivity at 350 °C	8.4 ohm-cm
Dielectric Constant at 20 °C, 1 MHz	5.7
Loss Tangent at 20 °C, 1 MHz	0.27%

For more information on 7056 glass please contact us at **7056@corning.com**.

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