

Properties of SHINKOLITE™ L

			SHINKOLITE™ L #000, #001 3mm
Specific Gravity		ISO 1183,method A,C,orD	g/cm ³ 1.19
Optical	Refractive Index	ISO 489 method A	1.49
	Light Transmittance (Total)	ISO 13468-1	%
	Haze	ISO 14782	%
Mechanical	Tensile Strength		
	Rupture	ISO 527-2/1B/5	MPa 75
	Elongation at Rupture	ISO 527-2/1B/5	%
	Flexual Strength		
	Rupture	ISO 178	MPa 120
	Modulus of Elasticity	ISO 178	MPa 3200
	Charpy Impact Strength (Unnotched)	ISO 179/1FU	KJ/m ² 17
	Rockwell Hardness	ISO 2039-2	Scale M 100
Thermal	Heat Distortion Temperature 2°C/Min -264psi	ISO 75-2/A	°C 100
	Coefficient of Thermal Expantion	ISO 11359,table2	cm/cm/ °C 7×10E-5
	Coefficint of Thermal Conductivity		W/mK 0.21
	Specific Heat		J/g°C 1.5
Electrical	Surface Resistivity 28°C, 75%RH	ICE93	Ω >10E16
Miscellaneous	Flammability (Burning Rate)	ISO1210	mm/min 33
	Water Absorption (Wt.Gain on Immersion for 24 hrs, 23°C)	ISO 62 method 1	% 0.3
Mar Resistance	Taber Abraser (100times)	ISO 9352	% 40

*Typical values should not be used for specification purpose.

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