



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	Glass Polyester Laminate Sheet and Shapes, Grade LST			
Description:	LST is a Track and flame resistant GPO-3. This product also has low smoke toxicity and offers excellent UV resistance for outdoor use. This grade is suitable for New York City Transit Authority and other mass transit system applications.			
Availability:			English Units (in)	SI Units (mm/cm)
	Laminate Sheets:	Thickness:	0.118 to 2.0	3 to 50.8 mm
		Sheet Sizes:	36 x 72, 48 x 96	92 x 183, 122 x 244 cm
Fabricated Parts:	The Gund Company Custom Fabricates insulation materials to the exact specifications and drawings of our customers.			

Key Characteristics	Test Method	Units - English (SI)	NYCTA Standard	Typical Values
Standard Color	--	--	--	Gray*
Density	--	lbs/in (g/cc)	--	0.065 (1.8)
Water Absorption (.125")	ASTM D-570	%	0.20 max	0.12
Tensile Strength	ASTM D-638	psi (MPa)	12,000 (83)	13,000 (90)
Compressive Strength, Flatwise	ASTM D-695	psi (MPa)	30,000 (206)	37,000 (255)
Flexural Strength, Lengthwise	ASTM D-790	psi (MPa)	20,000 (138)	22,000 (152)
Bond Strength (.50")	ASTM D-229	lbs (kg)	850 (385)	1,000 (450)
Incline Plane Track Resistance	ASTM D-2303	Minutes	600 min	> 600
Izod Impact Strength (Edgewise)	ASTM D-256	ft-lbs/in	10.0	10.5
Arc Resistance	ASTM D-495	Seconds	180	> 180
Dielectric Strength (0.0625" in oil) ⊥	ASTM D-149	V/mil (kV/mm)	170 (6.7)	> 200 (7.9)
Breakdown Voltage (Pin, in oil)	ASTM D-149	kV	40	> 50
Flammability	UL 94	Class	V-0	V-0

* Custom colors are available upon request