



# THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

## LST - Track and Flame Resistant GPO-3

<b>Item:</b>	<b>Glass Polyester Laminate Sheet and Shapes, Grade LST</b>			
<b>Description:</b>	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.			
<b>Availability:</b>	<b>Laminate Sheets:</b>	Thickness:	English Units (in) 0.118 to 2.0	SI Units (mm/cm) 3 to 50.8 (mm)
		Sheet Size:	36 x 72n / 48 x 96	92 x 183 / 122 x 244 (cm)
	<b>Fabricated Parts:</b>	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by 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 (0.125")	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 (0.50")	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

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.