

# PLASKOLITE

## lucitelux® Light Guide Panel LXN 875 Technical Bulletin

	Test Procedure	Method		Value	Unit
<b>Optical</b>	Luminous Transmittance	ASTM D1003	JIS K 7361-1	>90	%
	Haze	ASTM D1003	JIS K 7136	4	%
	Refractive Index	ASTM D542	JIS K 7142	1.49	-
<b>Mechanical</b>	Tensile Strength(rupture)	ASTM D638	JIS K 7162	75	MPa
	Elongation @ rupture	ASTM D638	JIS K 7162	4.5	%
	Flexural Strength (rupture)	ASTM D790	JIS K 7171	120	MPa
	Modulus (elasticity)	ASTM D790 ASTM D785	JIS K 7171	3.2	GPa
	Rockwell hardness	ASTM D256	JIS K 7002-2	100	M scale
	Izod (impact)	ASTM D6110	JIS K 7110	2.0	kJ/m <sup>2</sup> kJ/m <sup>2</sup>
	Charpy (impact)		JIS K 7111	17	
<b>Thermal</b>	Specific Heat	-	JIS K 7123	1.5	J/g°C
	Deflection Temperature under load	ASTM D648	JIS K 7191-2	96	°C
	Coefficient of thermal expansion	ASTM D696	JIS K 7197	7.E-05	cm/cm/deg
<b>Electrical</b>	Surface Resistivity	ASTM D257	JIS K 6911	>1E16	Ω/sq
<b>Miscellaneous</b>	Abrasion/Mar resistance (Tabor -100 cycles)	ASTM D4060	JIS K 7204	40	% haze
	Specific gravity	ASTM D792	JIS K 7112	1.19	g/cm <sup>3</sup>
	Water Absorption	ASTM D570	JIS K 7209	0.3	%
	Flammability	UL 94	-	HB	
	Intrinsic Viscosity		JIS K 7367-1	cross-linking	l/g

*These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.*