

lucitelux[®] Light Guide Panel LXN 875 Technical Bulletin

	Test Procedure	Method		Value	Unit
Optical	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	-
Mechanical	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 ²
	Charpy (impact)		JIS K 7111	17	kJ/m ²
Thermal	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
Electrical	Surface Resistivity	ASTM D257	JIS K 6911	>1E16	Ω/sq
Miscellaneous	Abrasion/Mar resistance (Tabor -100 cycles)	ASTM D4060	JIS K 7204	40	% haze
	Specific gravity	ASTM D792	JIS K 7112	1.19	g/cm ³
	Water Absorption	ASTM D570	JIS K 7209	0.3	%
	Flammability	UL 94	-	HB	
	Intrinsic Viscosity		JIS K 7367-1	cross-linking	l/g

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