

lucitelux[®] cell cast

TECHNICAL BULLETIN

PROPERTIES

Value quoted for the properties of LuciteLux[®] are the results of tests on representative samples and do not constitute specifications.

Property	Test Method	Units	GS Cast
General Properties			
Relative Density	ISO 1183	-	1.19
Rockwell Hardness	ISO 2039-2	M scale	102
Water Absorption	ISO 62	%	0.2
Flammability	BS 476 Pt 7	Class	3
	DIN 4102	-	B2
	NFP 92-507	-	M4
	UL94	-	HB
	ISO 11925-2	-	E
Mechanical Properties			
Tensile strength (5 mm/min)	ISO 527	MPa	75
Elongation at Break (5mm/min)		%	4
Flexural Strength (2mm/min)		MPa	116
Flexural Modulus (2mm/min)		MPa	3210
Impact Strength Charpy (unnotched)		kJ.m^{-2}	12
		kJ.m^{-2}	-
Izod Impact Strength		kJ.m^{-2}	-

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Thermal Properties			
Vicat Softening Point	ISO 306 A	°C	> 110
Coefficient of Thermal Expansion – Linear	ASTM D696	$\times 10^{-5} \cdot \text{K}^{-1}$	7.7
Optical Properties			
Light Transmission	ASTM D1003	% (0 mm)	> 92
Refractive Index	ISO 489 A		1.49
Electrical Properties			
Surface Resistivity	IEC 93	$\Omega \cdot \text{m}^{-2}$	$> 10^{14}$
Electrical Strength	IEC 243	kV.mm^{-1}	15

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