

lucitelux[®] Spectrum Block Technical Bulletin

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

The information is given in good faith and is based on our general experience, but because of the many particular factors which are outside our knowledge and control that affect the use of products, no warranty is given or is to be implied. Freedom from patent rights must not be assumed.