

ACRYTUFF™ High Impact Extruded Acrylic - CLEAR



PROPERTIES	UNITS	VALUE	TEST METHOD
OPTICAL			
Light Transmittance	%	91	ASTM D1003
Light Reflectance	%	4	ASTM D1003
Haze	%	3	ASTM D1003
Refractive Index	%	1.49	ASTM D542
MECHANICAL / PHYSICAL			
Tensile Strength at Yield	MPa	56	ASTM D638
Elongation at Break	%	29	ASTM D638
Flexural Strength	MPa	87	ASTM D790
Flexural Modulus	GPa	2.45	ASTM D790
Notched Izod Impact 23°C	J/m	52	ASTM D256
Impact Test	Kg.cm/mm	21	Gardiner Test
Specific Gravity		1.18	ASTM D792
THERMAL			
Coefficient of Linear Expansion	cm/cm/°C	9.2 X 10 ⁻⁵	ASTM D696
Coefficient of Thermal Conductivity	W/m.°C	0.17	ASTM C177
Heat Deflection Temp 455 KPa	°C	90	ASTM D648
Heat Deflection Temp 1820 KPa	°C	85	ASTM D648
Mold Shrinkage	mm/m	4 to 8	ASTM D955
Orientation Shrinkage	%	< 5	
TOLERANCES			
Thickness		<5%	
Length (up to 2240mm)		- 0mm; + 10mm	
Width		- 0mm; + 5mm	

Typical test values for 3mm Clear Acrytuff™ sheet at 20°C.

Where orientation affects the numerical value, these tests have been conducted in the machine direction.

For further information or enquiries regarding this data Mulford Plastics.

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