

DATA SHEET

ACRYCAST

Property	Method	Unit	Value
			GP-grade
Coefficient of thermal linear expansion	ASTM D696	C° ⁻¹	8 x 10 ⁻⁵
Deflection temperature under load 0.45 MPa	ISO 75-1 Edgewise direction	C°	101
Deflection temperature under load 1.80 MPa	ISO 75-1 Edgewise direction	C°	92
Tensile strength	ISO 527 - 1	MPa	72
Elongation at break	ISO 527 - 1	%	5.0
Flexural strength	ISO 178	MPa	118
Flexural modulus	ISO 178	MPa	3210
Charpy impact strength	ASTM D256	J/m	28.6
Rockwell hardness	ISO 2039 - 2	HRM	95
Surface resistivity	ASTM D257	Ω	4 x 10 ¹⁵
Volume resistivity	ASTM D257	Ω.cm	9 x 10 ¹⁶
Dielectric breakdown	ASTM D149	kV	49
Dielectric strength	ASTM D149	kV/mm	16
Specific gravity	ISO 1183	-	1.19
Water absorption (23 C, 24h)	ISO 62	%	0.2

The above data are typical laboratory values and are intended to serve as guides only (not guarantee)

