

Technical Data Sheet
PERLEX® R2520
 Polycarbonate
 Engineering Plastics



General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Uses	• Electrical Housing	• Housings	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.29 g/cm ³	1.29 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	9.0 g/10 min	9.0 g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.50 %	0.30 to 0.50 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	885000 psi	6100 MPa	ISO 527-2
Tensile Stress (Yield)	12300 psi	85.0 MPa	ISO 527-2
Flexural Modulus	856000 psi	5900 MPa	ISO 178
Flexural Stress	23100 psi	159 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Area) (73°F (23°C))	4.76 ft·lb/in ²	10.0 kJ/m ²	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	291 °F	144 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	280 °F	138 °C	ISO 75-2/A
Vicat Softening Temperature	293 °F	145 °C	ISO 306/B50

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flame Rating	HB	HB	UL 94

Notes

These are typical property values not to be construed as specification limits.