

Technical Data Sheet
PERLEX® R2510
Polycarbonate
Engineering Plastics



General			
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight		
Uses	• Electrical Parts • Housings		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.25 g/cm³	1.25 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	13 g/10 min	13 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	587000 psi	4050 MPa	ISO 527-2
Tensile Stress (Yield)	10900 psi	75.0 MPa	ISO 527-2
Flexural Modulus	566000 psi	3900 MPa	ISO 178
Flexural Stress	19600 psi	135 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Area) (73°F (23°C))	4.76 ft·lb/in²	10.0 kJ/m²	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	275 °F	135 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	262 °F	128 °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.

