

Technical Data Sheet

Perlex PC R2510 NAT



Polycarbonate

Product Description

Perlex R2510 NATURAL is a Polycarbonate Glass Fiber, 10% filled material.

Application Electrical Parts; Housings

Filler/Reinforcement Glass Fiber, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg)	13	g/10 min	ISO 1133
Density	1.25	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	75	MPa	ISO 527-2
Flexural Modulus	3900	MPa	ISO 178
Tensile Modulus	4050	MPa	ISO 527-1
Flexural Stress	135	MPa	ISO 178
Impact			
Notched Izod Impact (Area), (23 °C)	10.0	kJ/m ²	ASTM D256
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	145	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	135	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	128	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
UL Information			
Flame Rating	HB		UL 94