

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
<b>Physical</b>			
Melt Flow Rate, (300 °C/1.2 kg)	13	g/10 min	ISO 1133
Density	1.25	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched Izod Impact (Area), (23 °C)	10.0	kJ/m <sup>2</sup>	ASTM D256
<b>Thermal</b>			
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
<b>Flammable</b>			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
<b>UL Information</b>			
Flame Rating	HB		UL 94