

Technical Data Sheet

Perlex PC R2510 NAT



Polycarbonate

Product Description

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

Regulatory Status

For regulatory compliance information, see *Perlex* PC R2510 NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
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

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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