

PERLEX® R2510

Polycarbonate

A. Schulman Europe

Message:

PERLEX® R2510 is a Polycarbonate (PC) material filled with 10% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary attribute of PERLEX® R2510: Flame Rated.

Typical applications include:

Electrical/Electronic Applications

Housings

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Uses	Electrical Parts Housings		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	13	g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4050	MPa	ISO 527-2
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Flexural Modulus	3900	MPa	ISO 178
Flexural Stress	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	10.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	128	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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