

Quadrant EPP Quadrant 1000 LSP PC Extruded Unfilled Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Extruded

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quadrant-EPP-Quadrant-1000-LSP-PC-Extruded-Unfilled-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	IMMERSION, 24 HRS.
Water Absorption at Saturation	0.40 %	0.40 %	ASTM D150

Mechanical Properties	Metric	English	Comments
Tensile Strength	72.4 MPa	10500 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Tensile Modulus	2.21 GPa	320 ksi	ASTM D638
Compressive Strength	79.3 MPa @Strain 10.0 %, Temperature 22.8 °C	11500 psi @Strain 10.0 %, Temperature 73.0 °F	ASTM D695
Compressive Modulus	2.07 GPa	300 ksi	ASTM D695
Shear Strength	63.4 MPa	9200 psi	ASTM D732

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.186 W/m-K	1.29 BTU-in/hr-ft²-°F	
Glass Transition Temp, Tg	145 °C	293 °F	ASTM D 3418

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.17	3.17	ASTM D150
Dielectric Strength	15.7 kV/mm	400 kV/in	ASTM D149
Dissipation Factor	0.00090	0.00090	ASTM D150

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