

Chem Polymer Durlex 730 GVH PBT, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

A glass fiber reinforced, flame retardant PBT exhibiting excellent strength, dimensional stability and elevated temperature performance. The material has a V0 flammability rating according to UL94 testing procedure at thicknesses down to 1/16" (1.5 mm).Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chem-Polymer-Durlex-730-GVH-PBT-30-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	114 MPa	16500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	166 MPa	24100 psi	ASTM D790
Flexural Modulus	8.30 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	207 °C	405 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	221 °C	430 °F	ASTM D648
Flammability, UL94	V-0	V-0	1/16 in.

Electrical Properties	Metric	English	Comments
Dielectric Strength	18.0 kV/mm	457 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Melt Temperature	254 °C	489 °F	

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