

Aclo Accutech Polycarbonate POL050G20L Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polycarbonate-POL050G20L-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	MD; ASTM D955
Melt Flow	15 g/10 min	15 g/10 min	ASTM D1238
Ash	20 %	20 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength at Break	95.98 MPa	13920 psi	ASTM D638
Tensile Strength, Yield	100 MPa	14500 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Tensile Modulus	3.900 GPa	565.6 ksi	ASTM D638
Flexural Strength	164.0 MPa	23780 psi	ASTM D790
Flexural Modulus	5.899 GPa	855.6 ksi	ASTM D790
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	143 °C	289 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	139 °C	282 °F	

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