

Aclo Accutech Polycarbonate POL051G20L 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-POL051G20L-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	MD; ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238
Ash	20 %	20 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength at Break	100 MPa	14500 psi	ASTM D638
Tensile Strength, Yield	102.0 MPa	14790 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Tensile Modulus	4.100 GPa	594.6 ksi	ASTM D638
Flexural Strength	170.0 MPa	24650 psi	ASTM D790
Flexural Modulus	5.999 GPa	870.1 ksi	ASTM D790
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	144 °C	291 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	

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