

Aclo Accucomp Polycarbonate POL050L Low Viscosity

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accucomp-Polycarbonate-POL050L-Low-Viscosity.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	MD; ASTM D955
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	123	123	ASTM D785
Tensile Strength at Break	62.0 MPa	8990 psi	ASTM D638
Tensile Strength, Yield	64.0 MPa	9280 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Elongation at Yield	45 %	45 %	ASTM D638
Tensile Modulus	1.80 GPa	261 ksi	ASTM D638
Flexural Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	2.80 GPa	406 ksi	ASTM D790
Izod Impact, Notched	8.22 J/cm	15.4 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	136 °C	277 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	

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