

Aclo Accutech Polypropylene Copolymer CP0437C40L1 Calcium Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO3) Filler

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polypropylene-Copolymer-CP0437C40L1-Calcium-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.196 g/cc	0.04321 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	MD; ASTM D955
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238
Ash	40 %	40 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	45	45	ASTM D785
Tensile Strength at Break	12.0 MPa	1740 psi	ASTM D638
Tensile Strength, Yield	13.0 MPa	1890 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Tensile Modulus	1.500 GPa	217.5 ksi	ASTM D638
Flexural Strength	17.0 MPa	2470 psi	ASTM D790
Flexural Modulus	1.40 GPa	203 ksi	ASTM D790
Izod Impact, Notched	4.00 J/cm	7.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	77.8 °C	172 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.1 °C	124 °F	

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