

Aclo Accutech Polypropylene Copolymer CP0437W40L Wollastonite Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polypropylene-Copolymer-CP0437W40L-Wollastonite-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	MD; ASTM D955
Melt Flow	17 g/10 min	17 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	13.0 MPa	1890 psi	ASTM D638
Tensile Strength, Yield	14.0 MPa	2030 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Tensile Modulus	2.299 GPa	333.5 ksi	ASTM D638
Flexural Strength	19.0 MPa	2760 psi	ASTM D790
Flexural Modulus	2.099 GPa	304.5 ksi	ASTM D790
Izod Impact, Notched	1.39 J/cm	2.60 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	58.9 °C	138 °F	

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