

Aclo Accutech Polypropylene Homopolymer HP0334M40L Mica Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Mica Filler

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aclo-Accutech-Polypropylene-Homopolymer-HP0334M40L-Mica-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	MD; ASTM D955
Melt Flow	7.0 g/10 min	7.0 g/10 min	ASTM D1238
Ash	40 %	40 %	ASTM D2584

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	50	50	ASTM D785
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	9.0 %	9.0 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Tensile Modulus	3.900 GPa	565.6 ksi	ASTM D638
Flexural Strength	42.0 MPa	6090 psi	ASTM D790
Flexural Modulus	4.200 GPa	609.1 ksi	ASTM D790
Izod Impact, Notched	0.422 J/cm	0.790 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	122 °C	252 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	77.2 °C	171 °F	

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