

BP Amoco Acctuf® 3638 Impact Copolymer Polypropylene (discontinued **)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Suggested fabrication methods: Injection molding Features: Compounding, Antistatic Complies with FDA specification, Title 21, CFR

177.1520. Typical property data below from injection molded samples.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BP-Amoco-Acctuf-3638-Impact-Copolymer-Polypropylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.886 - 0.926 g/cc	0.0320 - 0.0335 lb/in ³	ASTM D1505
Water Absorption	<= 0.010 %	<= 0.010 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.010 - 0.025 cm/cm	0.010 - 0.025 in/in	ASTM D955
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 230 °C	24 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	ASTM D785
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D790A
Izod Impact, Notched	1.60 J/cm @Diameter 3.17 mm	3.00 ft-lb/in @Diameter 0.125 in	bar; ASTM D256
	0.500 J/cm @Diameter 3.17 mm, Temperature -20.0 °C	0.937 ft-lb/in @Diameter 0.125 in, Temperature -4.00 °F	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648

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