

BP Amoco Acctuf® 3119HS Ultra High Impact Copolymer Polypropylene (discontinued **)

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

Material Notes:

Suggested fabrication methods: Extrusion; Thermoforming Features: High stiffness, Low Temperature impact 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-3119HS-Ultra-High-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	1.9 g/10 min @Load 2.16 kg, Temperature 230 °C	1.9 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM D785
Tensile Strength, Yield	33.0 MPa	4790 psi	ASTM D638
Elongation at Break	>= 25 %	>= 25 %	ASTM D638
Flexural Modulus	1.83 GPa	265 ksi	ASTM D790A
Izod Impact, Notched	NB @Diameter 3.17 mm	NB @Diameter 0.125 in	bar; ASTM D256
	0.350 J/cm @Diameter 3.17 mm, Temperature -20.0 °C	0.656 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)	118 °C	244 °F	ASTM D648

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