

BP Amoco Acclear® 8939 Random Copolymer Polypropylene, High Clarity Grade (discontinued **)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Suggested fabrication methods: Injection molding; Stretch blow molding
Features: Ultra high clarity, Excellent static control, Toughened
Typical applications: Housewares, Rigid packaging, Media packaging, Walled containers
Complies with FDA specification, Title 21, CFR 177.1520. Typical property data below from injection molded samples. Data provided by BP Amoco Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BP-Amoco-Acclear-8939-Random-Copolymer-Polypropylene-High-Clarity-Grade-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	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	ASTM D790A
Izod Impact, Notched	0.700 J/cm @Diameter 3.17 mm	1.31 ft-lb/in @Diameter 0.125 in	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	79.0 °C	174 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	11 % @Thickness 1.27 mm	11 % @Thickness 0.0500 in	plaque; ASTM D1003
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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