

BP Amoco Acclear® 8949 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
Typical applications: Housewares, Thin-walled containers, Rigid packaging
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-Acclear-8949-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	32.0 MPa	4640 psi	ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790A
Izod Impact, Notched	0.480 J/cm @Diameter 3.17 mm	0.899 ft-lb/in @Diameter 0.125 in	bar

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