

A. Schulman PP 1632-01 Polypropylene Random Copolymer

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

Material Notes:

Description Polypropylene PP 1632-01 is a polypropylene random copolymer produced utilizing unique catalyst and processing technology. It was designed for injection molding and stretch blow molding applications that require improved impact and clarity. Application PP 1632-01 is in compliance with FDA requirements of 21 CFR 177.1520. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-PP-1632-01-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength at Break	31.0 MPa	4500 psi	at max load; ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Gardner Impact	10.2 J	7.50 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	11 % @Thickness 50.0 mm	11 % @Thickness 1.97 in	ASTM D1003

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