

Flint Hills 23M2A Polypropylene Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Blow Molding Grade

Material Notes:

Features: High contact clarity, blush resistant, good impact, and stress resistant, good auto-clave stability, and low extractability. Product does not contain animal derived components. Applications: Suitable for use in food and medical products such as: blow molded containers for irrigation, parenteral, hemodialysis and topical solutions. Information Provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-23M2A-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength, Yield	27.5 MPa	3990 psi	ASTM D638
Elongation at Yield	15 %	15 %	ASTM D638
Tensile Modulus	1.103 GPa	160.0 ksi	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 Â°C	180 Â°F	ASTM D648

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