

Flint Hills 23T2A Random Copolymer Polypropylene

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

Material Notes:

Features: Clarified, autoclave and good impact strength. Product does not contain animal derived components. Applications: Designed for Blow molding and Thermoforming. Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-23T2A-Random-Copolymer-Polypropylene.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	95	95	ASTM D785
Tensile Strength, Yield	31.1 MPa	4510 psi	ASTM D638
Elongation at Yield	10.9 %	10.9 %	ASTM D638
Flexural Modulus	1.13 GPa	164 ksi	Tangent; ASTM D790
Flexural Modulus, 1% Secant	1060 MPa	154000 psi	ASTM D790
Izod Impact, Notched	1.38 J/cm	2.59 ft-lb/in	ASTM D256

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

Descriptive Properties	Value	Comments
FDA	21 CFR 177.1520(c) 3.2a	

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