

Flint Hills 23H2A Random Copolymer Polypropylene

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

Material Notes:

Features: Excellent clarity. Product does not contain animal derived components. Applications: Designed for Blow molding and Thermoforming - A replacement for PET, PS and PC high clarity applications. Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-23H2A-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	96	96	ASTM D785
Tensile Strength, Yield	32.4 MPa	4700 psi	ASTM D638
Elongation at Yield	10.4 %	10.4 %	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	Tangent; ASTM D790
Flexural Modulus, 1% Secant	1130 MPa	164000 psi	ASTM D790
Izod Impact, Notched	2.18 J/cm	4.08 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	84.6 Å°C	184 Å°F	ASTM D648

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

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