

Flint Hills P5G2N-093 Random Copolymer Polypropylene

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

Material Notes:

Features: Nucleated. Product does not contain animal derived components. Applications: Compression molding, Caps and Closures Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P5G2N-093-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
Tensile Strength, Yield	31.2 MPa	4530 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.215 GPa	176.2 ksi	Tangent; ASTM D790
Flexural Modulus, 1% Secant	1140 MPa	165000 psi	ASTM D790
Izod Impact, Notched	2.18 J/cm	4.08 ft-lb/in	ASTM D256
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 Â°C	212 Â°F	ASTM D648

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

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