

Flint Hills 11R12A Specialty Homopolymer Polypropylene

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

Material Notes:

Features: Good drop impact, radiation resistant. Product does not contain animal derived components and is phthalate-free. Applications: Injection Molding Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-11R12A-Specialty-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.5 MPa	4280 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	0.942 GPa	137 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.370 J/cm	0.693 ft-lb/in	ASTM D256
Gardner Impact	35.5 J	26.2 ft-lb	ASTM D5420

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

Descriptive Properties	Value	Comments
FDA	21 CFR 177.1520(c) 1.1a and 3.4	

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