

Flint Hills P4G3A-052 Homopolymer Polypropylene

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

Material Notes:

Features: Long Term Heat Aging (LTHA). Product does not contain animal derived components. 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-P4G3A-052-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Break	9.0 %	9.0 %	ASTM D638
Flexural Modulus, 1% Secant	1490 MPa	216000 psi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256
Gardner Impact	6.00 J	4.43 ft-lb	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 Å°C	205 Å°F	ASTM D648

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

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