

Flint Hills P9M6K-041A Specialty Impact Copolymer Polypropylene

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

Material Notes:

Features: Good clarity and impact resistance. Product does not contain animal derived components. Applications: Injection molding - durable goods
Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P9M6K-041A-Specialty-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	35 g/10 min	35 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	62	62	ASTM D785
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Elongation at Yield	17 %	17 %	ASTM D638
Flexural Modulus	0.869 GPa	126 ksi	Tangent; ASTM D790
Izod Impact, Notched	3.20 J/cm	5.99 ft-lb/in	ASTM D256
Impact Test	17.6 J	13.0 ft-lb	Multi-Axial, Ductile; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	22.0 J	16.2 ft-lb	Multi-Axial, Ductile; ASTM D3763
	@Temperature 0.000 °C	@Temperature 32.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 °C	172 °F	ASTM D648

Descriptive Properties	Value	Comments
FDA	21 CFR 177.1520(c) 3.1a and 3.2c	

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