

Flint Hills P6G2Z-090 Impact Copolymer Polypropylene

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

Material Notes:

Features: Excellent impact strength and weldability. Product does not contain animal derived components. Applications: Injection Molding and thermoforming - Automotive coolant bottles. Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P6G2Z-090-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	1.3 g/10 min	1.3 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	ASTM D785
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Elongation at Break	>= 700 %	>= 700 %	ASTM D638
Tensile Modulus	1.17 GPa	170 ksi	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256
Gardner Impact	>= 36.0 J @Temperature -18.0 Â°C	>= 26.6 ft-lb @Temperature -0.400 Â°F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 Â°C	185 Â°F	ASTM D648
Flammability, UL94	HB	HB	

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

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