

Flint Hills P4C5Z-027 Homopolymer Polypropylene

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

Material Notes:

Homopolymer, UL certified, USP Class VI certified, and FDA compliant. Features: controlled rheology. Applications: Injection molding: general purpose. Former Huntsman polypropylene products are now produced by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P4C5Z-027-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.339 GPa	194.2 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	3.00 J	2.21 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 ^o C	216 ^o F	ASTM D648

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