

Flint Hills P4G4B-036 Homopolymer Polypropylene

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

Material Notes:

Homopolymer, UL certified, and FDA compliant. Features: Nucleated, antistat, and drug master file 9988. 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-P4G4B-036-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
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	38.0 MPa	5510 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.59 GPa	231 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	5.00 J	3.69 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 ^o C	219 ^o F	ASTM D648

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