

Flint Hills P4C5B-181B Polypropylene Homopolymer

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

Material Notes:

Features: Nucleated and Antistat. Product does not contain animal derived components. Phthalate-free.Applications: Injection Molding:

Closures and cutleryInformation Provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P4C5B-181B-Polypropylene-Homopolymer.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	101	101	ASTM D785
Tensile Strength, Yield	38.0 MPa	5510 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus, 1% Secant	3358 MPa	487000 psi	ASTM D790
Izod Impact, Notched	0.300 J/cm @Temperature 23.0 Â°C	0.562 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	<= 0.904 J @Temperature 23.0 Â°C	<= 0.667 ft-lb @Temperature 73.4 Â°F	ASTM D5420
Tangent Modulus	3257 MPa	472400 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	121 Â°C	250 Â°F	ASTM D648

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