

Flint Hills P6E2A-005B Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Features: Ultra high impact strength and long term heat aging. Applications: Injection molding and extrusion: high pressure resistance, film and flexible profiles
Information Provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P6E2A-005B-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	1.8 g/10 min	1.8 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	58	58	ASTM D785
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	13 %	13 %	ASTM D638
Flexural Modulus, 1% Secant	720 MPa	104000 psi	ASTM D790
Izod Impact, Notched	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	>= 36.0 J @Temperature -30.0 Â°C	>= 26.6 ft-lb @Temperature -22.0 Â°F	ASTM D5420
Tangent Modulus	740 MPa	107000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	70.0 Â°C	158 Â°F	ASTM D648

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