

Flint Hills AP6106-HS Impact Copolymer Polypropylene

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

Material Notes:

High impact copolymer, UL certified, and FDA compliant. Features: Heat stabilizedApplications: Injection molding: child protection systems, appliance components, consumer durables, and automotive interior trim. 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-AP6106-HS-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
Flexural Modulus	1.19 GPa	173 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	29.0 J @Temperature -30.0 Â°C	21.4 ft-lb @Temperature -22.0 Â°F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 Â°C	190 Â°F	ASTM D648

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