

Flint Hills AP6120-HS Impact Copolymer Polypropylene

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

Material Notes:

High impact copolymer, UL certified, and FDA compliant. Features: Heat stabilized Applications: Injection molding: appliance components, automotive interior trim, and consumer durables. 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-AP6120-HS-Impact-Copolymer-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	97	97	ASTM D785
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.13 GPa	164 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	27.0 J @Temperature -30.0 °C	19.9 ft-lb @Temperature -22.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648

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