

Flint Hills AP5135-HS Impact Copolymer Polypropylene

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

Material Notes:

Medium impact copolymer, FDA compliant
 Features: Nucleated and heat stabilized.
 Applications: Injection molding: large, thin wall automotive interior parts and housewares.
 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-AP5135-HS-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	35 g/10 min	35 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	7.00 J @Temperature -30.0 °C	5.16 ft-lb @Temperature -22.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	ASTM D648

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