

Flint Hills AP6412-HS Impact Copolymer Polypropylene

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

Material Notes:

High impact copolymer, and FDA compliant. Features: Blush resistant and heat stabilized. Applications: Injection molding: consumer durables, automotive interior trim, furniture trim and housing, and feed systems for chickens. 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-AP6412-HS-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	28.0 J @Temperature -30.0 ^o C	20.7 ft-lb @Temperature -22.0 ^o F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 ^o C	180 ^o F	ASTM D648

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