

Flint Hills AP7310-HS Impact Copolymer Polypropylene

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

Material Notes:

Ultra high impact copolymer, UL certified, and FDA compliant. Features: Heat stabilized. Applications: Injection molding: appliance components, automotive exterior and underbody components, construction (housing components), equipment housings, and tool boxes. 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-AP7310-HS-Impact-Copolymer-Polypropylene.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	Tangent; ASTM D790
Gardner Impact	>= 35.0 J @Temperature -30.0 Â°C	>= 25.8 ft-lb @Temperature -22.0 Â°F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 Â°C	176 Â°F	ASTM D648

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