

Flint Hills AP5155-HA Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Features: Excellent processability, nucleated and Antistat. Applications: Injection molding: thin wall parts, food containers, packaging and medical information provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-AP5155-HA-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	55 g/10 min	55 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	6.0 %	6.0 %	ASTM D638
Izod Impact, Notched	0.590 J/cm @Temperature 23.0 Â°C	1.11 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	17.0 J @Temperature -30.0 Â°C	12.5 ft-lb @Temperature -22.0 Â°F	ASTM D5420
Tangent Modulus	1379 MPa	200000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 Â°C	207 Â°F	ASTM D648

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