

Flint Hills AP5206-HN Polypropylene Impact Copolymer

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

Material Notes:

Features: Nucleated for fast cycle and good mold release. Product does not contain animal derived components. Applications: Compression and injection molding: caps and closures Information Provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-AP5206-HN-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength, Yield	30.3 MPa	4390 psi	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus, 1% Secant	1517 MPa	220000 psi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 23.0 Â°C	2.00 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	9.00 J @Temperature -30.0 Â°C	6.64 ft-lb @Temperature -22.0 Â°F	ASTM D5420
Tangent Modulus	1586 MPa	230000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 Â°C	226 Â°F	ASTM D648

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