

Flint Hills P4C6B-134A Polypropylene Homopolymer

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

Material Notes:

Features: Excellent processability, nucleated and antistat. Product does not contain animal derived components. Phthalate-

free.Applications: Injection Molding: Cutlery, Consumer Products, Cosmetic Packaging, Caps and ClosuresInformation Provided by Flint

Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P4C6B-134A-Polypropylene-Homopolymer.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	112	112	ASTM D785
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus, 1% Secant	1590 MPa	231000 psi	ASTM D790
Izod Impact, Notched	0.200 J/cm @Temperature 23.0 Â°C	0.375 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	6.00 J @Temperature 23.0 Â°C	4.43 ft-lb @Temperature 73.4 Â°F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	111 Â°C	232 Â°F	ASTM D648

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