

Flint Hills P4C6S-193A Homopolymer Polypropylene

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

Material Notes:

Features: Clarified, high Slip and Controlled Rheology. Product does not contain animal derived components. Phthalate-free. Applications: Specialty Injection Molding. Excellent Mold Release Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P4C6S-193A-Homopolymer-Polypropylene.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	102	102	ASTM D785
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.551 GPa	225.0 ksi	Tangent; ASTM D790
Flexural Modulus, 1% Secant	1448 MPa	210000 psi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256
Gardner Impact	11.0 J	8.11 ft-lb	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	105 Â°C	221 Â°F	ASTM D648
Flammability, UL94	HB	HB	

Descriptive Properties	Value	Comments
FDA	21 CFR 177.1520(c) 1.1a	

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