

Flint Hills P4G3Z-050F Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade , Polypropylene, Film Grade

Material Notes:

Features: Low Water Carry-over, good film quality. Product does not contain animal derived components. Phthalate-free.Applications:

Extrusion: cast filmInformation Provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P4G3Z-050F-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	4.2 g/10 min	4.2 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus, 1% Secant	1520 MPa	220000 psi	ASTM D790
Izod Impact, Notched	0.400 J/cm @Temperature 23.0 Â°C	0.749 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	11.0 J @Temperature 23.0 Â°C	8.11 ft-lb @Temperature 73.4 Â°F	ASTM D5420
Tangent Modulus	1620 MPa	235000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	101 Â°C	214 Â°F	ASTM D648

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