

Flint Hills P5M4K-046 Random Copolymer Polypropylene

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

Material Notes:

Random copolymer, FDA compliant. Features: Clarified (50 mil plaque haze 10%), antistat, and controlled rheology. Applications: Injection molding: high clarity parts, medical parts, and good organoleptic properties. Former Huntsman polypropylene products are now produced by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P5M4K-046-Random-Copolymer-Polypropylene.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength, Yield	33.0 MPa	4790 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.11 GPa	161 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	>= 36.0 J	>= 26.6 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 ^o C	180 ^o F	ASTM D648

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