

Flint Hills P4C5K-123A Homopolymer Polypropylene

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

Material Notes:

Homopolymer, and FDA compliant. Features: Clarified, antistat, and controlled rheology Applications: Injection molding: clear containers. 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-P4C5K-123A-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	41.0 MPa	5950 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.68 GPa	244 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	23 ^o C; ASTM D256
Gardner Impact	3.00 J	2.21 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 ^o C	239 ^o F	ASTM D648

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