

Flint Hills PP 13R9A Random Copolymer Polypropylene

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

Material Notes:

Random copolymer, Drug Master File (DMF) listed, USP Class VI certified, and FDA compliant. Features: Radiation resistant and good contact clarity. Applications: Injection molding: radiation sterilizable medical devices and lab ware. FDA Notes: 21 CFR 177.1520 (c)3.1 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-PP-13R9A-Random-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	9.0 g/10 min	9.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	>= 700 %	>= 700 %	ASTM D638
Modulus of Elasticity	1.105 GPa	160.3 ksi	ASTM D638
Flexural Modulus	0.965 GPa	140 ksi	ASTM D790
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	23 ^o C; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 ^o C	194 ^o F	ASTM D648

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