

Flint Hills P9R6K-054 Random Copolymer Polypropylene

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

Material Notes:

Excellent clarity. High flow material. Product does not contain any animal derived components. Phthalate-free. Applications: Injection molding - High clarity applications. A replacement for PET, PS and PC high clarity applications. Information provided by Flint Hills Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P9R6K-054-Random-Copolymer-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	97	97	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
Flexural Modulus	0.972 GPa	141 ksi	Tangent; ASTM D790
Flexural Modulus, 1% Secant	919 MPa	133000 psi	ASTM D790
Izod Impact, Notched	0.790 J/cm	1.48 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 Â°C	172 Â°F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	2.8 %	2.8 %	ASTM D1003
	@Thickness 0.635 mm	@Thickness 0.0250 in	
Haze	5.8 %	5.8 %	ASTM D1003
	@Thickness 1.27 mm	@Thickness 0.0500 in	

Descriptive Properties	Value	Comments
FDA	21 CFR 177.1520(c) 3.1a	

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