

Flint Hills P5L2K-055 Polypropylene Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Blow Molding Grade , Polypropylene, Extrusion Grade

Material Notes:

Features: Excellent clarity. Product does not contain animal derived components. Phthalate-free. Applications: Injection molding: extrusion blow molding, injection blow molding, stretch blow molding, clear containers and hot fill applications. Information Provided by Flint Hills

Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P5L2K-055-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	1.9 g/10 min	1.9 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D785
Tensile Strength, Yield	36.0 MPa	5220 psi	ASTM D638
Elongation at Break	11 %	11 %	ASTM D638
Flexural Modulus, 1% Secant	1270 MPa	184000 psi	ASTM D790
Izod Impact, Notched	0.500 J/cm @Temperature 23.0 Â°C	0.937 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	1.00 J @Temperature -30.0 Â°C	0.738 ft-lb @Temperature -22.0 Â°F	ASTM D5420
Tangent Modulus	1300 MPa	189000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	89.0 Â°C	192 Â°F	ASTM D648

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