

Flint Hills P9G1Z-047 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Features: Processing stability. Product does not contain animal derived components. Phthalate-free. Applications: Extrusion: Thick sheeting
Information Provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-P9G1Z-047-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	0.55 g/10 min	0.55 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	92	92	ASTM D785
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
Flexural Modulus, 1% Secant	1170 MPa	170000 psi	ASTM D790
Izod Impact, Notched	0.910 J/cm @Temperature 23.0 Â°C	1.70 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	29.0 J @Temperature 23.0 Â°C	21.4 ft-lb @Temperature 73.4 Â°F	ASTM D5420
Tangent Modulus	1240 MPa	180000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 Â°C	205 Â°F	ASTM D648

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