

## Flint Hills P6G4Z-097 Impact Copolymer Polypropylene

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

**Material Notes:**

Features: Good impact/stiffness balance. Product does not contain animal derived components. Applications: Injection Molding - appliance components, consumer durables, caps and closures. Information provided by Flint Hills Resources.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-P6G4Z-097-Impact-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Flint-Hills-P6G4Z-097-Impact-Copolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	83	83	ASTM D785
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.186 GPa	172.0 ksi	Tangent; ASTM D790
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	ASTM D256
Gardner Impact	24.0 J @Temperature -30.0 Â°C	17.7 ft-lb @Temperature -22.0 Â°F	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 Â°C	190 Â°F	ASTM D648
Flammability, UL94	HB	HB	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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