

## Flint Hills P5M2Z-012 Polypropylene Random Copolymer

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

**Material Notes:**

Features: Good contact clarity. Product does not contain animal derived components. Phthalate-free. Applications: Extrusion: film and blow molding  
Information Provided by Flint Hills Resources

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-P5M2Z-012-Polypropylene-Random-Copolymer.php](http://www.lookpolymers.com/polymer_Flint-Hills-P5M2Z-012-Polypropylene-Random-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.894 g/cc	0.0323 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	1.9 g/10 min	1.9 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	84	84	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus, 1% Secant	820 MPa	119000 psi	ASTM D790
Izod Impact, Notched	0.700 J/cm @Temperature 23.0 Â°C	1.31 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	28.0 J @Temperature 23.0 Â°C	20.7 ft-lb @Temperature 73.4 Â°F	ASTM D5420
Tangent Modulus	880 MPa	128000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.0 Â°C	169 Â°F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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