

## Flint Hills P4G4K-038 Homopolymer Polypropylene

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

### Material Notes:

Homopolymer, UL certified, and FDA compliant. Features: Nucleated, antistat, and clarified. Applications: Injection molding: high clarity, housewares, and syringes, for EO sterilization. Former Huntsman polypropylene products are now produced by Flint Hills Resources.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-P4G4K-038-Homopolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Flint-Hills-P4G4K-038-Homopolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.62 GPa	235 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	23 <sup>o</sup> C; ASTM D256
Gardner Impact	1.00 J	0.738 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 <sup>o</sup> C	230 <sup>o</sup> F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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