

## Flint Hills P5M4R-034 Polypropylene Random Copolymer

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

### Material Notes:

Features: Radiation resistant. Product does not contain animal derived components. Phthalate-free. Applications: Injection Molding: medical devices  
Information Provided by Flint Hills Resources

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-P5M4R-034-Polypropylene-Random-Copolymer.php](http://www.lookpolymers.com/polymer_Flint-Hills-P5M4R-034-Polypropylene-Random-Copolymer.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        | 83                                     | 83                                      | ASTM D785  |
| Tensile Strength, Yield     | 26.0 MPa                               | 3770 psi                                | ASTM D638  |
| Elongation at Yield         | 13 %                                   | 13 %                                    | ASTM D638  |
| Flexural Modulus, 1% Secant | 740 MPa                                | 107000 psi                              | ASTM D790  |
| Izod Impact, Notched        | 0.400 J/cm<br>@Temperature 23.0<br>Â°C | 0.749 ft-lb/in<br>@Temperature 73.4 Â°F | ASTM D256  |
| Gardner Impact              | 26.0 J<br>@Temperature 23.0<br>Â°C     | 19.2 ft-lb<br>@Temperature 73.4 Â°F     | ASTM D5420 |
| Tangent Modulus             | 790 MPa                                | 115000 psi                              | ASTM D790  |

| Thermal Properties                             | Metric   | English | Comments  |
|------------------------------------------------|----------|---------|-----------|
| Deflection Temperature at 0.46 MPa<br>(66 psi) | 75.0 Â°C | 167 Â°F | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China