

Flint Hills P4C5N-046 Homopolymer Polypropylene

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

Material Notes:

Homopolymer, UL certified, and FDA compliant. Features: Nucleated and controlled rheology. Applications: Injection molding: general purpose. 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-P4C5N-046-Homopolymer-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|---------------------------|------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ASTM D1505 |
| Melt Flow | 20 g/10 min | 20 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|----------------|------------------------------|
| Hardness, Rockwell R | 110 | 110 | ASTM D785 |
| Tensile Strength, Yield | 39.0 MPa | 5660 psi | ASTM D638 |
| Elongation at Yield | 8.0 % | 8.0 % | ASTM D638 |
| Flexural Modulus | 1.52 GPa | 220 ksi | 1% Secant; ASTM D790 |
| Izod Impact, Notched | 0.300 J/cm | 0.562 ft-lb/in | 23 ^o C; ASTM D256 |
| Gardner Impact | 6.00 J | 4.43 ft-lb | ASTM D3029 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|--------------------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 108 ^o C | 226 ^o F | ASTM D648 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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