

Flint Hills 43S2A Polypropylene Random Copolymer

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

Material Notes:

Features: Good clarity.Applications: Film extrusion and blow moldingInformation Provided by Flint Hills Resources

Order this product through the following link:

http://www.lookpolymers.com/polymer_Flint-Hills-43S2A-Polypropylene-Random-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ASTM D1505 |
| Melt Flow | 1.9 g/10 min | 1.9 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------------|----------|------------|-----------|
| Hardness, Rockwell R | 82 | 82 | ASTM D785 |
| Tensile Strength, Yield | 26.2 MPa | 3800 psi | ASTM D638 |
| Elongation at Yield | 14 % | 14 % | ASTM D638 |
| Flexural Modulus, 1% Secant | 835 MPa | 121000 psi | ASTM D790 |
| Tangent Modulus | 869 MPa | 126000 psi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 79.0 °C | 174 °F | ASTM D648 |

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