

Braskem H 306 Fiber Extrusion Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Applications: Staple fibers for carpets and blankets. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-306-Fiber-Extrusion-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|-------------|
| Density | 0.905 g/cc | 0.0327 lb/in ³ | ASTM D792A |
| Melt Flow | 15 g/10 min @Load 2.16 kg, Temperature 230 °C | 15 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238L |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------------------------------|--|------------|
| Hardness, Rockwell R | 94 | 94 | ASTM D785 |
| Tensile Strength, Yield | 34.0 MPa | 4930 psi | ASTM D638 |
| Elongation at Yield | 11 % | 11 % | ASTM D638 |
| Flexural Modulus | 1.55 GPa | 225 ksi | ASTM D790 |
| Izod Impact, Notched | 0.270 J/cm @Temperature 23.0 °C | 0.506 ft-lb/in @Temperature 73.4 °F | ASTM D256A |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 94.0 °C | 201 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 56.0 °C | 133 °F | ASTM D648 |
| Vicat Softening Point | 152 °C | 306 °F | -1kg; ASTM D1525 |

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