

Braskem H 604 Blow Molding Polypropylene

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

Material Notes:

Applications: Transparent bottles for mineral water, cosmetic, health care and cleaning products. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-604-Blow-Molding-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-------------|
| Density | 0.905 g/cc | 0.0327 lb/in ³ | ASTM D792A |
| Melt Flow | 1.5 g/10 min @Load 2.16 kg, Temperature 230 °C | 1.5 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238L |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------------------------------|---------------------------------------|------------|
| Hardness, Rockwell R | 85 | 85 | ASTM D785 |
| Tensile Strength, Yield | 38.0 MPa | 5510 psi | ASTM D638 |
| Elongation at Yield | 10 % | 10 % | ASTM D638 |
| Flexural Modulus | 1.73 GPa | 251 ksi | ASTM D790 |
| Izod Impact, Notched | 0.560 J/cm @Temperature 23.0 °C | 1.05 ft-lb/in @Temperature 73.4 °F | ASTM D256A |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 103 °C | 217 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 60.0 °C | 140 °F | ASTM D648 |
| Vicat Softening Point | 149 °C | 300 °F | -1kg; ASTM D1525 |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|---------------------------------------|
| Transmission, Visible | 90 % | 90 % | transparent; thickness not quantified |

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