

Total PPH 3620WZ Polypropylene, Injection Molding Grade

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

Material Notes:

Injection molding homopolymer Nucleation - FINA 3620WZ is engineered with nucleation to provide fast cycle time and improve contact clarity in thin wall multi-cavity molds. Antistat - FINA 3620WZ contains an antistat that will help protect molded parts from dust accumulation. FDA - FINA 3620WZ complies with all applicable FDA regulations for food contact applications. Recommended Applications - FINA 3620WZ is particularly well suited for caps, closures, medical syringes and thin wall containers. Processing - FINA 3620WZ resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C) Data provided by the manufacturer, Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-3620WZ-Polypropylene-Injection-Molding-Grade.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|---------------------------|-------------|
| Density | 0.905 g/cc | 0.0327 lb/in ³ | ASTM D1505 |
| Melt Flow | 12 g/10 min | 12 g/10 min | ASTM D1238L |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------|----------------|------------|
| Hardness, Rockwell R | 107 | 107 | ASTM D288A |
| Tensile Strength, Ultimate | 37.2 MPa | 5400 psi | ASTM D638 |
| Elongation at Break | 7.0 % | 7.0 % | ASTM D638 |
| Modulus of Elasticity | 1.725 GPa | 250.2 ksi | ASTM D638 |
| Flexural Modulus | 1.655 GPa | 240.0 ksi | ASTM D790 |
| Izod Impact, Notched | 0.267 J/cm | 0.500 ft-lb/in | ASTM D256A |
| Izod Impact, Unnotched | 8.50 J/cm | 15.9 ft-lb/in | ASTM D256A |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Melting Point | 165 °C | 329 °F | DSC |
| Deflection Temperature at 0.46 MPa (66 psi) | 127 °C | 261 °F | ASTM D648 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|-----------|
| Melt Temperature | 200 - 232 °C | 392 - 450 °F | Injection |

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