

Total PPH 3720WZ Polypropylene, Injection Molding Grade

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

Material Notes:

High flow reactor injection molding homopolymer High Flow - FINA 3720WZ has high flow characteristics that result in ease of filling thin wall parts. Nucleation - FINA 3720WZ is nucleated to provide fast cycle time and improved contact clarity in thin wall, multi-cavity molds. Antistat - FINA 3720WZ contains an antistat that will help protect molded parts from dust accumulation. FDA - FINA 3720WZ complies with all applicable FDA regulations for food contact applications. Recommended Applications - FINA 3720WZ is recommended for caps, closures, and thin wall containers. Processing - FINA 3720WZ resin processes on conventional injection molding equipment with typical melt temperatures of 380-450°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-3720WZ-Polypropylene-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D288A
Tensile Strength, Ultimate	37.9 MPa	5500 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Modulus of Elasticity	1.79 GPa	260 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	10.65 J/cm	19.95 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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