

## Total PPH 3721WZ Polypropylene, Injection Molding Grade

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

### Material Notes:

High flow reactor homopolymer with a high level of antistat. High Flow - FINA 3721WZ is designed with high flow characteristics for ease of filling thin wall parts. High Antistat - FINA 3721WZ is engineered with a high level of antistat for shelf cleanliness and mold release. FDA - FINA 3721WZ complies with all applicable FDA regulations for food contact applications. Nucleation - FINA 3721WZ is nucleated to provide fast cycle time and improve contact clarity in thin wall, multi-cavity molds. Recommended Applications - FINA 3721WZ is ideal for caps, closures, cutlery, and other thin wall multi-cavity applications. Processing - FINA 3721WZ 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-3721WZ-Polypropylene-Injection-Molding-Grade.php](http://www.lookpolymers.com/polymer_Total-PPH-3721WZ-Polypropylene-Injection-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	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	158 °C	316 °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

## **Contact Songhan Plastic Technology Co.,Ltd.**

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