

## Total PPH 3727WZ Polypropylene, Injection Molding Grade

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

### Material Notes:

Fina's new HIGH PERFORMANCE injection molding grade Balanced Properties - Fina 3727WZ strikes an optimum balance between excellent mechanical properties (tensile, flex and impact) and processability making it a superior molding grade for cap and closure applications. Impact Strength - Fina 3727WZ offers improved impact strength. Nucleation - Fina 3727WZ is formulated to provide fast cycle time and improve contact clarity in thin wall multi-cavity molds. Antistat - Fina 3727WZ contains an antistat to help protect molded parts from dust accumulation. FDA - Fina 3727WZ complies with all applicable FDA regulations for food contact applications. Recommended Application - Fina 3727WZ is recommended for large thin wall parts, caps and closures. Processing - Fina 3727WZ 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-3727WZ-Polypropylene-Injection-Molding-Grade.php](http://www.lookpolymers.com/polymer_Total-PPH-3727WZ-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
Tensile Strength, Ultimate	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Modulus of Elasticity	1.24 GPa	180 ksi	ASTM D638
Flexural Modulus	1.03 GPa	149 ksi	
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256A
Impact Test	21.6 J @Thickness 3.17 mm	15.9 ft-lb @Thickness 0.125 in	Drop Impact, plaques. Fina API test

Thermal Properties	Metric	English	Comments
Melting Point	158 °C	316 °F	DSC
Vicat Softening Point	140 °C	284 °F	ASTM D1525

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

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

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