

Total PPH 3727WZ Polypropylene, Injection Molding Grade

Categories: [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.

Vendors: [Click here to view all available suppliers for this material.](#)

Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

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
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

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.