

Total PPH 3847MR Polypropylene, Radiation Resistant - Clarified - High Flow for Injection Molding

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#); [Polypropylene, Molded](#)

Material Notes: **TOTAL Petrochemicals** Polypropylene 3847MR offers good processability, excellent clarity, good toughness and good resistance to typical levels of gamma radiation used to sterilize polypropylene. **Easy Flow** TOTAL Polypropylene 3847MR exhibits exceptionally easy flow characteristics.

Recommended Applications. TOTAL Polypropylene 3847MR is recommended for injection molding laboratory and medical applications; however, due to its unique combination of properties, other applications may exist.

Information provided by Total Petrochemicals.

Vendors: No vendors are listed 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
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505
Melt Flow	45 g/10 min	45 g/10 min	ASTM D1238
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	NB	NB	ASTM D256A
Thermal Properties	Metric	English	Comments
Melting Point	157 °C	315 °F	DSC

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.