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