

Radiation Resistant - Clarified-
High Flow- Propylene for
injection Molding

3847MR

POLYPROPYLENE

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.

Regulatory: TOTAL Polypropylene 3847MR has passed USP Class VI testing and does not contain animal derived additives. All ingredients in TOTAL Polypropylene 3847MR meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). TOTAL Polypropylene 3847MR meets FDA regulations for food contact applications; however some restrictions apply (contact product.stewardship@total.com for more information).

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

Processing: 3847MR resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C). Call the nearest Total Petrochemicals Polypropylene Sales Office for additional information.

<u>Resin Properties</u> ⁽¹⁾	<u>ASTM Method</u>	<u>Typical Value</u>
Melt Flow, g/10 min.	45	D-1238
Density, g/cc	0.900	D-1505
Melting Point, °F (°C)	315 (157)	DSC ⁽²⁾
<u>Mechanical Properties</u> ⁽¹⁾		
Tensile, psi (M Pa)	4,700 (32)	D-638
Elongation, %	9	D-638
Flexural Modulus, psi (M Pa)	171,000 (1,170)	D-790 ⁽³⁾
Izod Impact @ 73°F		D-256A
Notched - ft.lb./in. (J/m)	0.6 (30)	
Unnotched - ft.lb./in. (J/m)	No Breaks (No Breaks)	

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

(3) Reported as 2% secant.

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or miss application of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.

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