

## Total PPH 3740WR Polypropylene, High Flow Nucleated Homopolymer Injection Molding

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

### Material Notes:

Easy Flow TOTAL Polypropylene 3740WR exhibits exceptionally easy flow characteristics.FDA. 3740WR complies with all applicable FDA and USDA regulations and may be used under these provisions for food contact and packaging.Recommended Applications. TOTAL Polypropylene 3740WR is recommended for injection molding medical applications requiring high stiffness and good gamma radiation stability up to 50 kGy.Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPH-3740WR-Polypropylene-High-Flow-Nucleated-Homopolymer-Injection-Molding.php](http://www.lookpolymers.com/polymer_Total-PPH-3740WR-Polypropylene-High-Flow-Nucleated-Homopolymer-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238, L

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ASTM D1706
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Tensile Modulus	1.655 GPa	240.0 ksi	ASTM D638
Flexural Modulus	1.725 GPa	250.2 ksi	ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	ASTM D256A
Impact Test	0.569 J @Thickness 3.17 mm	0.420 ft-lb @Thickness 0.125 in	Drop Impact; API

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	241 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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