Total PPH 3762 Polypropylene, Extrusion Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

Homopolymer fiber grade for staple fiber and multifilament yarnsFading Resistance - FINA 3762 is formulated to resist gas fading while maintaining excellent processing stability up to 250oC.Process Stability - FINA 3762 features excellent processability and the good physical properties necessary for fibers and multifilaments.FDA - FINA 3762 complies with all applicable FDA regulations for food contact.Recommended Applications - FINA 3762 is recommended for staple fibers and bulk continuous filament (BCF) yarns.Processing - FINA 3762 resin processes on conventional extrusion equipment with typical melt temperatures of 400-480°F (204- 250°C)Data provided by the manufacturer, Total Petrochemicals.Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Total-PPH-3762-Polypropylene-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in³	ASTM D1505
Melt Flow	18 g/10 min	18 g/10 min	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	250 MPa	36300 psi	Fiber value estimated from tenacity; ASTM D3218
Elongation at Break	65 %	65 %	Fiber property, 1.5 dpf multifilament. ASTM D3218
Modulus of Elasticity	1.65 GPa	239 ksi	ASTM D638
Tenacity	0.282 N/tex	3.20 g/denier	ASTM D3218
Flexural Modulus	1.515 GPa	219.7 ksi	Flexural modulus is 1.515 GPa. Flexural stiffness is 1.215 GPa. ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	
Vicat Softening Point	150 - 155 °C	302 - 311 °F	Softening point range is 150-155°C. Method not specified.

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 250 °C	399 - 482 °F	Extrusion

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