

Fading Resistance. TOTAL Polypropylene 3762 is formulated to resist gas fading while maintaining excellent processing stability up to 250°C.

Process Stability. TOTAL Polypropylene 3762 features excellent processability and the good physical properties necessary for fibers and multifilaments.

FDA. TOTAL Polypropylene 3762 complies with all applicable FDA regulations for food contact.

Recommended Applications. TOTAL Polypropylene 3762 is recommended for staple fibers and bulk continuous filament (BCF) yarns.

Processing. TOTAL Polypropylene 3762 resin processes on conventional extrusion equipment with typical melt temperatures of 400-480°F (204-250°C). Call the nearest TOTAL Polypropylene Sales Office for additional information.

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow, g/10 min.	18	D-1238 Condition L
Density, g/cc	0.905	D-1505
Melting Point, °F (°C)	330 (165)	DSC ⁽²⁾
<u>Mechanical Properties</u> ⁽¹⁾		
Tensile Modulus, psi (M Pa)	240,000 (1,650)	D-638
Flexural Modulus, psi (M Pa)	220,000 (1,515)	D-790
Flexural Stiffness, psi (M Pa)	175,000 (1,215)	D-790
<u>Fiber Properties, 1.5 dpf Multifilament</u> ⁽¹⁾⁽³⁾		
Tenacity, g/denier	3.2	D-3218
Elongation, %	65	D-3218
<u>Thermal Properties</u>		
Heat Deflection Temp., @66 psi, °F (°C)	240 (115)	
Softening Point, °C	150-155	

(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) Samples processed at 450°F(232°C) extrusion temperature with 3:1 draw ratio.

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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.