

**Process Stability.** TOTAL Polypropylene 3462 is formulated to give excellent process stability in extrusion applications.

**FDA.** TOTAL Polypropylene 3462 complies with all applicable FDA regulations for food contact applications.

**Recommended Applications.** TOTAL Polypropylene 3462 is recommended for slit film, monofilament, and fibrillated tape applications requiring improved process stability.

**Processing.** TOTAL Polypropylene 3462 processes on conventional extrusion equipment with typical melt temperatures of 400-500°F (204-260°C). Call the nearest TOTAL Polypropylene Sales Office for additional information.

<u>Resin Properties</u> <sup>(1)</sup>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow, g/10 min.	4.1	D-1238 Condition "L"
Density, g/cc	0.905	D-1505
Melting Point, °F (°C)	165	
<b><u>Mechanical Properties</u><sup>(1)</sup></b>		
Tensile @ Yield, psi (M Pa)	5,000 (34.5)	D-638
Elongation, %	12	D-638
Tensile Modulus, psi (M Pa)	220,000 (1,515)	D-638
Flexural Modulus, psi (M Pa)	200,000 (1,380)	D-790
Izod Impact @ 73°F		D-256A
Notched - ft.-lb./in. (J/m)	0.6 (31.7)	
Unnotched - ft.-lb./in. (J/m)	17.0 (900)	
<b><u>Thermal Properties</u><sup>(1)</sup></b>		
Heat Deflection		D-648
°F at 66 psi	225	
°C at 4.64 kg/cm <sup>2</sup>	107	
<b><u>Fiber Properties</u><sup>(1)(3)</sup></b>		
Tenacity, g/denier	5.8	
Elongation, %	28	

- (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 6:1 draw ratio and 450 degrees F (232 degrees C) melt temperature.

3462 10/05

Corporate Office USA  
 P.O. Box 674411  
 Houston, TX 77267-4411  
 800.344.3462  
 www.totalpetrochemicalsusa.com

Technical Center  
 P.O. Box 1200  
 Deer Park, TX 77536  
 281.884.7500

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.