

<u>Resin Properties</u> <sup>(1)</sup>	<u>Typical Value</u>	<u>ASTM or ISO Method</u>
Melt Flow Index, g/10 min 190°C/21.6 kg (HLMI)	6.0	ISO 1133
Density, g/cm <sup>3</sup>	0.946	ISO 1183
Melting Point, °F	260	D 3417
<u>Mechanical Properties</u> <sup>(1)(2)</sup>		
Tensile Strength at Yield, MPa	24.0	ISO 527, 50 mm/min
Elongation @ Break, %	> 600	ISO 527, 50 mm/min
Flexural Modulus @ 0.4% Strain, MPa	1,100	ISO 178
Notched Izod Impact Strength, ft- lb/in	12.0	D 256, A 1/8 in thick specimen
ESCR <sup>(3)</sup> , F <sub>50</sub> , hrs	> 1000	D 1693, cond. B 100% Igepal

### Processing

#### Recommendation

Blow Molding Stock Temperature 370 – 450 °F

### Polyethylene:

High Molecular Weight  
High Density Fuel Tank  
Resin

### Characteristics

- Good melt strength
- Excellent impact and creep resistance
- Excellent stress cracking resistance
- GMP.PE.062 certification

### Applications

- Automotive fuel tanks

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.  
 (2) The data listed was determined on compression molded specimens and may, therefore, vary from specimens taken from molded articles.  
 (3) Environmental Stress Crack Resistance (ESCR)

HDPE MS201 BN-NA 09/2005



1201 Louisiana Street  
Suite 1800  
Houston, TX 77002

P.O. Box 674411  
Houston, TX 77267-4411

Phone: (713) 483-5241  
Fax: (713) 483-5252

**1-800-344-3462**

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 these products must be guided by the user's own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL PETROCHEMICALS USA, INC. MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL PETROCHEMICALS USA, INC. 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.

