

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min		D-1238
190°C/2.16 kg	0.08	
190°C/5 kg	0.32	
190°C/21.6 kg (HLMI)	11.0	
Density, g/cm ³	0.951	D-792
Melting Point, °F	270	D-3417
<u>Film Properties</u> ⁽¹⁾⁽²⁾		
Dart Impact, g	350	D-1709, A
Elmendorf Tear, g		D-1922
Machine Direction (MD)	24	
Transverse Direction (TD)	120	
Tensile Strength at Yield, psi		D-882, A, 20 in/min
MD	5,300	
TD	5,000	
Tensile Strength at Break, psi		D-882, A, 20 in/min
MD	9,200	
TD	9,800	
Elongation at Break, %		D-882, A, 20 in/min
MD	300-500	
TD	300-500	
Secant Modulus of Elasticity		D-882, A, 20 in/min
@ 2% strain, psi		
MD	122,000	
TD	132,000	
WVTR ⁽³⁾ @ 100°F, g/100 in ² /day	0.8	F1249

Polyethylene:

High Molecular Weight
HDPE Bimodal Film Resin

Characteristics

- Broad molecular weight distribution
- Excellent tear strength
- Exceptional impact strength
- Excellent processability

Applications

- T-shirt sacks
- Trash can liners
- Merchandise bags
- Multi-wall liner
- Deli wrap

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
 (2) The film was produced at 0.8 mil on a 50 mm Alpine extruder with a 4:1 BUR
 (3) Water Vapor Transmission Rate

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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 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.

