TOTAL PETROCHEMICALS





TOTAL PETROCHEMICALS USA, INC.

Resin Properties <sup>(1)</sup> Melt Flow Index, g/10 min 190ºC/2.16 kg	Typical <u>Value</u> 0.08	ASTM Method D-1238	<b>Polyethylene:</b> High Molecular Weight HDPE Bimodal Film Resin
190ºC/5 kg 190ºC/21.6 kg (HLMI) Density, g/cm <sup>3</sup> Melting Point, ºF	0.32 11.0 0.950 270	D-792 D-3417	<ul> <li>Characteristics</li> <li>Broad molecular weight distribution</li> <li>Excellent tear strength</li> <li>Exceptional impact strength</li> <li>Excellent processability</li> </ul>
Film Properties <sup>(1)(2)</sup> Dart Impact, g Elmendorf Tear, g Machine Direction (MD) Transverse Direction (TD)	350 24 120	D-1709, A D-1922	
Tensile Strength at Yield, psi MD TD Tensile Strength at Break, psi MD TD	5,300 5,000 9,200 9,800	D-882, A, 20 in/min D-882, A, 20 in/min	<ul> <li>Applications</li> <li>T-shirt sacks</li> <li>Trash can liners</li> <li>Merchandise bags</li> <li>Multi-wall liner</li> </ul>
Elongation at Break, % MD TD Secant Modulus of Elasticity	9,800 300-500 300-500	D-882, A, 20 in/min D-882, A, 20 in/min	<ul> <li>Deli wrap</li> </ul>
@ 2% strain, psi MD TD WVTR <sup>(3)</sup> @ 100ºF, g/100 in <sup>2</sup> /day	122,000 132,000 0.8	E 96/66	

(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

TOTAL

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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 nonperforming goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.