



**HDPE 6410**

<b>Resin Properties<sup>(1)</sup></b>	<b>Typical Value</b>	<b>ASTM Method</b>
Melt Flow Index, g/10 min		D 1238
190°C/2.16 kg	1.2	
190°C/21.6 kg (HLMI)	33.0	
Density, g/cm <sup>3</sup>	0.961	D 792
Melting Point, °F	273	D 3417
<b>Film Properties<sup>(1)(2)</sup></b>		
Haze, %	15	D1003
Gloss, %	50	D523
Elmendorf Tear, g		D1922
Machine Direction (MD)	24	
Transverse Direction (TD)	385	
Tensile Strength @ Yield, psi		D882, A, 20 in/min
MD	3800	
TD	4000	
Tensile Strength @ Break, psi		D882, A, 20 in/min
MD	7500	
TD	3400	
Elongation @ Break, %		D882, A, 20 in/min
MD	700	
TD	700	
Secant Modulus, kpsi		D882, A, 1 in/min
1% strain (MD/TD)	125/128	
2% strain (MD/TD)	100/102	
WVTR <sup>(3)</sup> @ 100°F, g/100 in <sup>2</sup> /day	0.4	F1249

**Polyethylene:**

Clarity Medium Molecular Weight High Density Film Resin

**Characteristics**

- Unique combination of high stiffness and clarity
- Good moisture barrier properties
- Good processability
- Good compatibility with LDPE and LLDPE

**Applications**

- Paper overwrap
- Cup overwrap
- Plate overwrap
- Envelope windows
- Release liners
- Stand-up bags
- Specialty monolayer films
- Coextruded films

1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.  
 2) Film was produced at 1.0 mil with a 2.5:1 BUR in a low stalk configuration.  
 3) Water Vapor Transmission Rate

HDPE 6410 0310



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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.

