



<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190°C/2.16 kg	0.45	D 1238
Density, g/cm ³	0.958	D 792
<u>Film Properties</u> ⁽¹⁾⁽²⁾		
Dart Impact, g	< 50	D1709, A
Elmendorf Tear, g		D1922
Machine Direction (MD)	15	
Transverse Direction (TD)	1050	
Tensile Strength @ Yield, psi		D882, A, 20 in/min
MD	4500	
TD	2600	
Tensile Strength @ Break, psi		D882, A, 20 in/min
MD	7700	
TD	2600	
Elongation @ Break, %		D882, A, 20 in/min
MD	270	
TD	< 10	
1% Secant Modulus, kpsi		D882, A, 1 in/min
MD	152	
TD	199	
WVTR ⁽³⁾ @ 100°F, g/100 in ² /day	0.7	F1249

Processing

Recommendation

Extrusion Melt Temperature 380 – 420°F

- (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
- (3) Water Vapor Transmission Rate

Polyethylene:

Medium Molecular Weight
High Density Film Grade

Characteristics

- High stiffness
- High tensile strength
- Good heat resistance
- Excellent bubble stability
- Good compatibility with LDPE and LLDPE

Applications

- Release liners
- Stand-up bags
- Coextruded films
- Shipping sacks
- Multi-walled liners
- Oriented film structures
- Specialty packaging

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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.

