

<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	0.950	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	E 96/66

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

HDPE 2285 09/2005



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