

<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	E96/66

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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