



<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min		D1238
190 ^o C/2.16 kg	0.9	
190 ^o C/21.6 kg (HLMI)	30	
Density, g/cm ³	0.927	D792
Melting Point, ^o F	250	D3417
 <u>Mechanical Properties</u> ⁽¹⁾⁽²⁾		
Dart Impact, g	150	D1709, A
Elmendorf Tear, g		D1922
Machine Direction (MD)	165	
Transverse Direction (TD)	500	
Tensile Strength @ Break, psi		D882, A
MD	4900	
TD	4800	
Elongation @ Break, %		D882, A
MD	580	
TD	720	
1% Secant Modulus, psi		D882, A
MD	31,000	
TD	25,000	
Haze, %	7	D1003
Gloss 45 ^o	65	D523
COF, I/I	0.5	TOTAL Method
SIT ⁽³⁾ , ^o F	234	TOTAL Method
WVTR ⁽⁴⁾ , g/100 in ² /day	0.9	F1249

Processing

Recommendation

Extrusion Melt Temperature, ^o F 380 – 410

- (1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
- (2) Film was produced on 2 inch extruder, 30 L/D, 4.7 inch die, 55 mil gap, 2.5 BUR, 410 ^oF melt temperature, 1.0 mil
- (3) Seal Initiation Temperature
- (4) Water Vapor Transmission Rate

Polyethylene:

Metallocene Medium Density Film Resin

Characteristics

- Outstanding clarity and gloss
- Excellent bubble stability
- Excellent tear strength
- High puncture resistance
- Good stiffness
- Excellent heat sealing properties
- Excellent compatibility with LDPE and LLDPE

Applications

- Clarity shrink films
- Food packaging
- Laminations
- Multilayer packaging film

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