

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min		D1238
190 ⁰ C/2.16 kg	0.9	
190 ⁰ C/21.6 kg (HLMI)	30	
Density, g/cm ³	0.934	D792
Melting Point, ⁰ F	255	D3417
<u>Mechanical Properties</u> ⁽¹⁾⁽²⁾		
Dart Impact, g	60	D1709, A
Elmendorf Tear, g		D1922
Machine Direction (MD)	55	
Transverse Direction (TD)	400	
Tensile Strength @ Break, psi		D882, A
MD	6400	
TD	6100	
Elongation @ Break, %		D882, A
MD	400	
TD	650	
1% Secant Modulus, psi		D882, A
MD	53,000	
TD	56,000	
Haze, %	9	D1003
Gloss 45°	65	D523
COF, I/I	0.40	TOTAL Method
SIT, °F ⁽³⁾	248	TOTAL Method
WVTR ⁽⁴⁾ , g/100 in ² /day	0.65	E96/66

Processing

Recommendation

Extrusion Melt Temperature, ⁰F 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 °F 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
- High stiffness
- Good puncture resistance
- Good tear strength
- Good heat sealing properties
- Excellent compatibility with LDPE and LLDPE

Applications

- Tissue & towel overwrap films
- Clarity shrink films
- Protective packaging
- Laminations
- Multilayer packaging films