

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190 °C/2.16 kg	0.23	D1238
190 °C/21.6 kg (HLMI)	20.0	
Density, g/cm ³	0.937	D792
Melting Point, °F	259	D3417

Mechanical Properties⁽¹⁾⁽²⁾

Dart Impact, g	< 50	D1709, A
Elmendorf Tear, g (MD/TD)	18 / 1350	D1922
Tensile Str. @ Yield, psi (MD/TD)	1800 / 2800	D882, A
Tensile Str. @ Break, psi (MD/TD)	8300 / 5300	D882, A
Elongation at Break, % (MD/TD)	500 / 900	D882, A
1% Secant Modulus, kpsi (MD/TD)	64 / 85	D882, A
WVTR(3), g/100in ² /day	0.8	F1294

Processing

Recommendation

Extrusion Melt Temperature, °F	380 – 420
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- (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 BUR.
- (3) Water Vapor Transmission Rate

Polyethylene

Medium Molecular Weight
Medium Density Film
Resin

Characteristics

- Excellent balance of stiffness and impact strength
- Good puncture resistance
- Excellent compatibility with LDPE and LLDPE
- Good tensile strength
- Good heat sealing characteristics

Applications

- Specialty merchandise bags
- Mailing envelopes
- Heavy-duty shipping sacks
- Pallet shrink films
- Fresh cut produce packaging
- Coextrusion

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