



Resin Properties⁽¹⁾	Typical Value	ASTM Method
Melt Flow Index, g/10 min		D1238
190 ⁰ C/2.16 kg	0.28	
190 ⁰ C/21.6 kg HLMI	20.0	
Density, g/cm ³	0.947	D792
Melting Point, ⁰ F	267	D3417

Mechanical Properties⁽¹⁾⁽²⁾

Dart Impact, g	< 50	D1709, A
Elmendorf Tear, g (MD/TD)	10 / 1450	D1922
Tensile Str. @ Yield, psi (MD/TD)	3400 / 3800	D882, A
Tensile Str. @ Break, psi (MD/TD)	9000 / 2700	D882, A
Elongation at Break, % (MD/TD)	450 / 600	D882, A
1% Secant Modulus, kpsi (MD/TD)	103 / 145	D882, A
WVTR ⁽³⁾ , g/100in ² /day	0.7	F1249

High Stalk Extrusion⁽⁴⁾

Dart Impact, g	100	D1709, A
Elmendorf Tear, g (MD/TD)	28 / 530	D1922
Tensile Str. @ Yield, psi (MD/TD)	3500 / 3700	D882, A
Tensile Str. @ Break, psi (MD/TD)	7900 / 5700	D882, A
Elongation at Break, % (MD/TD)	600 / 700	D882, A
WVTR, g/100in ² /day	0.5	F1249

Processing

Recommendation

Extrusion Melt Temperature, ⁰ F 380 – 420

- (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
- (4) Film was produced at 1.0 mil with a 6:1 FLH/D ratio and 4:1 BUR.

Polyethylene

Medium Molecular Weight
High Density Film Resin

Characteristics

- Excellent processability
- Good tear and impact strength
- Good stiffness
- Excellent compatibility with LDPE and LLDPE
- Excellent drawdown
- Good moisture barrier properties

Applications

- Multi-wall liner
- Gas flush poultry bags
- Mailing envelopes
- Heavy-duty shipping sacks
- Fresh cut produce packaging
- Coextrusions

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