



Resin Properties⁽¹⁾

Melt Flow Index, g/10 min

190°C/2.16 kg

Density, g/cm³

Typical

Value

ASTM Method

D 1238

0.45

0.958

D 792

Film Properties⁽¹⁾⁽²⁾

Dart Impact, g

Elmendorf Tear, g

Machine Direction (MD)

Transverse Direction (TD)

Tensile Strength @ Yield, psi

MD

TD

Tensile Strength @ Break, psi

MD

TD

Elongation @ Break, %

MD

TD

1% Secant Modulus, kpsi

MD

TD

WVTR⁽³⁾ @ 100°F, g/100 in²/day

< 50

15

1050

4500

2600

7700

2600

270

< 10

152

199

0.7

D1709, A

D1922

D882, A, 20 in/min

D882, A, 20 in/min

D882, A, 20 in/min

D882, A, 1 in/min

F1249

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