



Resin Properties⁽¹⁾

Melt Flow Index, g/10 min

190°C/2.16 kg

190°C/21.6 kg (HLMI)

Density, g/cm³

Typical

Value

ASTM Method

D 1238

2.0

55.0

0.962

D 792

Film Properties⁽¹⁾

Monolayer Film⁽²⁾

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

Secant Modulus, kpsi

1% strain (MD/TD)

2% strain (MD/TD)

WVTR⁽³⁾ @ 100°F, g/100 in²/day

Coextruded Film⁴

WVTR⁽³⁾ @ 100°F, g/100 in²/day

Elmendorf Tear, g

Machine Direction (MD)

Transverse Direction (TD)

D1922

24

385

D882, A, 20 in/min

3800

4000

D882, A, 20 in/min

7500

3400

D882, A, 20 in/min

700

700

D882, A, 1 in/min

125/128

100/102

F1249

0.19

F1249

D1922

70

500

Processing

Recommendation

Extrusion Melt Temperature

BUR

FLH/D

390 to 410°F

2.0 to 3.5

4.0 to 6.0

Polyethylene:

Medium Molecular Weight

High Density Film Resin

Characteristics

- Excellent moisture barrier properties
- Low gels
- Low taste and odor
- High stiffness
- Good processability
- Good compatibility with LDPE and LLDPE

Applications

- Cereal liners
- Cracker over-wrap
- Bakery mixes
- Specialty monolayer films
- Coextruded films

(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 at 6:1 FLH/D ratio.

(3) Water Vapor Transmission Rate

(4) A/B/B 25/50/25% layer distribution LDPE/6420/6420, 2.0 mil, 2.5 BUR