

TECHNICAL DATA SHEET

TRICOLENE LDF07922SB

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of Prime LDPE is a homopolymer of ethylene.

PROCESSING METHODS

Blown Film (Co)Extrusion
Flexible Tube Extrusion

CHARACTERISTICS

Good Optics
Good Tear Strength
Good Slip Properties

APPLICATIONS

Strong Films for Automatic Packaging
Bags and Pouches
Flexible Hoses

RESIN PROPERTIES

Melt Flow Rate 2.16 kgf/190 °C

MFR₂

ASTM D1238

0.75 g/10 min

0.75 g/10 min

Density 23 °C

ASTM D1505

0.922 g/cm³

0.922 g/cm³

Slip

500 ppm

500 ppm

Antiblock

500 ppm

500 ppm

Antioxidant Package

Yes

Yes

FILM PROPERTIES *

TEST METHOD

VALUES, ENGLISH UNITS

VALUES, INTERNATIONAL UNITS

Evaluated Film Thickness

2.0 mils

50.8 µm

Dart Impact Strenght

ASTM D1709A

160 g

160 g

38.0 mm (1.5 in), 0.66 m (26.0 in), F50

Elmendorf Tear Strenght

ASTM D1922

MD

510 g

510 g

TD

150 g

150 g

Tensile Strenght at Yield

ASTM D882

MD

1,600 psi

11 MPa

TD

1,700 psi

12 MPa

20.0 in/min (508 mm/min)

Tensile Strenght at Break

ASTM D882

MD

3,700 psi

26 MPa

TD

3,100 psi

21 MPa

20.0 in/min (508 mm/min)

Tensile Elongation at Break

ASTM D882

MD

140 %

140 %

TD

530 %

530 %

20.0 in/min (508 mm/min)

Tensil Secant Modulus of Elasticity

ASTM D882

MD

34,000 psi

234 MPa

TD

40,000 psi

276 MPa

1 % Elongation, 0.051 in/min (1.3 mm/min)

Haze

ASTM D1003

9.0 %

9.0 %

Specular Gloss 45 °

ASTM D2457

59.0

59.0

PROCESSING CONDITIONS OF THE EVALUATED FILM

TEST METHOD

VALUES, ENGLISH UNITS

VALUES, INTERNATIONAL UNITS

Die Diameter

2.5 in

64 mm

Die Gap

30 mils

0.8 mm

Blow-up Ratio, BUR

2.5 ---

2.5 ---

* The data presented here is true and accurate to the best of our knowledge. Likewise, the values are nominal and should not be taken as minimum or maximum specifications.

No warranty, express or implied, is made regarding resin performance. The customer must validate these properties according to his own evaluations on his machine and in his laboratory.

REGULATORY COMPLIANCE

This resin complies with the following FDA regulation: 21 CFR 177.1520: Olefinic Polymers. This regulation describes polyolefin resins that can be used safely for food packaging and preservation at low temperatures and at ambient temperatures. This resin is not designed for use in medical applications and should not be used in such applications.

