

TECHNICAL DATA SHEET

TRICOLENE LDF07922

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of LDPE is a homopolymer of ethylene.

PROCESSING METHODS

Blown Film (Co)Extrusion
Flexible Tube Extrusion

CHARACTERISTICS

Good Optics
Good Shrink Properties
Good Tear Strength

APPLICATIONS

Collation Shrink Films
Pallet Shrink Film
Flexible Hoses

RESIN PROPERTIES

Melt Flow Rate 2.16 kg/190 °C MFR₂
Density 23 °C
Antioxidant Package

TEST METHOD

ASTM D1238
ASTM D1505

VALUES, ENGLISH UNITS

0,75 g/10 min
0,922 g/cm³
Yes

VALUES, INTERNATIONAL UNITS

0,75 g/10 min
0,922 g/cm³
Yes

FILM PROPERTIES *

TEST METHOD

VALUES, ENGLISH UNITS

VALUES, INTERNATIONAL UNITS

Evaluated Film Thickness

2,0 mils

50,8 µm

Dart Impact Strength

ASTM D1709A

160 g

160 g

38,0 mm (1,5 in), 0,66 m (26,0 in), F50

Elmendorf Tear Strength

ASTM D1922

MD 510 g
TD 150 g

510 g
150 g

Tensile Strength at Yield

ASTM D882

MD 1.600 psi
TD 1.700 psi

11 MPa
12 MPa

Tensile Strength at Break

ASTM D882

MD 3.700 psi
TD 3.100 psi

26 MPa
21 MPa

Tensile Elongation at Break

ASTM D882

MD 140 %
TD 530 %

140 %
530 %

Tensile Secant Modulus of Elasticity

ASTM D882

MD 34.000 psi
TD 40.000 psi

234 MPa
276 MPa

Haze

ASTM D1003

8,0 %

8,0 %

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.

Revisión 1: 2020-11-04

FLEXIBLE

