

TECHNICAL DATA SHEET

TRICOLENE LDF4923SB

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
Cast Film (Co)Extrusion

CHARACTERISTICS

High Clarity Properties
Excellent Processability and Draw Down
Good Slip Properties

APPLICATIONS

Very Thin Films for Automatic Packaging
Bread Bags
Laundry Films

RESIN PROPERTIES

Melt Flow Rate 2.16 kgf/190 °C MFR₂
Density 23 °C
Slip
Antiblock
Antioxidant Package

TEST METHOD

ASTM D1238
ASTM D1505

VALUES, ENGLISH UNITS

4.0 g/10 min
0.923 g/cm³
750 ppm
900 ppm
Yes

VALUES, INTERNATIONAL UNITS

4.0 g/10 min
0.923 g/cm³
750 ppm
900 ppm
Yes

FILM PROPERTIES *

Evaluated Film Thickness
Dart Impact Strength
38.0 mm (1.5 in), 0.66 m (26.0 in), F50
Elmendorf Tear Strength
Tensile Strength at Yield
20.0 in/min (508 mm/min)
Tensile Strength at Break
20.0 in/min (508 mm/min)
Tensile Elongation at Break
20.0 in/min (508 mm/min)
Tensile Secant Modulus of Elasticity
1 % Elongation, 0.051 in/min (1.3 mm/min)
Haze
Specular Gloss 45°

TEST METHOD

ASTM D1709A
ASTM D1922
ASTM D882
ASTM D882
ASTM D882
ASTM D882
ASTM D882
ASTM D1003
ASTM D2457

VALUES, ENGLISH UNITS

1.2 mils
70 g
MD 290 g
TD 110 g
MD 1,500 psi
TD 1,400 psi
MD 3,300 psi
TD 2,200 psi
MD 180 %
TD 490 %
MD 25,000 psi
TD 30,000 psi
5.0 %
71.0

VALUES, INTERNATIONAL UNITS

30.5 µm
70 g
290 g
110 g
10 MPa
10 MPa
23 MPa
15 MPa
180 %
490 %
172 MPa
207 MPa
5.0 %
71.0

PROCESSING CONDITIONS OF THE EVALUATED FILM

Die Diameter
Die Gap
Blow-up Ratio, BUR

TEST METHOD

VALUES, ENGLISH UNITS

7.87 in
39 mils
2.5 ---

VALUES, INTERNATIONAL UNITS

200 mm
1.0 mm
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.

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FLEXIBLE

