

TECHNICAL DATA SHEET

TRICOLENE LDF2920SB

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of LDPE is a homopolymer of ethylene produced in an autoclave polymerization process

PROCESSING METHODS

Blown Film (Co)Extrusion
Cast Film (Co)Extrusion

CHARACTERISTICS

High Optical Properties
Good Processability
Stiffness

APPLICATIONS

High Clarity Packaging
Bread Bags
Bubble Wrap

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

2.5 g/10 min
0.920 g/cm³
700 ppm
1,800 ppm
Yes

VALUES, INTERNATIONAL UNITS

2.5 g/10 min
0.920 g/cm³
700 ppm
1,800 ppm
Yes

FILM PROPERTIES *

Evaluated Film Thickness

Dart Impact Strenght

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

Tensile Strenght at Break

20.0 in/min (508 mm/min)

Tensile Elongation at Break

20.0 in/min (508 mm/min)

Tensil Secant Modulus of Elasticity

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

Haze

Specular Gloss 45 °

TEST METHOD

ASTM D1709A

VALUES, ENGLISH UNITS

1.5 mils
65 g
MD 3,600 psi
TD 2,300 psi
MD 250 %
TD 650 %
MD 25,000 psi
TD 27,000 psi
ASTM D1003 5.0 %
ASTM D2457 85.0

VALUES, INTERNATIONAL UNITS

38.1 µm
65 g
25 MPa
16 MPa
250 %
650 %
172 MPa
186 MPa
5.0 %
85.0

PROCESSING CONDITIONS OF THE EVALUATED FILM

Die Gap
Blow-up Ratio, BUR

TEST METHOD

VALUES, ENGLISH UNITS

50 mils
2.4 ---

VALUES, INTERNATIONAL UNITS

1.3 mm
2.4 ---

* 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.

