

TECHNICAL DATA SHEET

TRICOLENE LDF2923SB

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of High Clarity LDPE is a homopolymer of ethylene. This reference has slip and antiblock additives.

PROCESSING METHODS

Blown Film Extrusion
Cast Film Extrusion

CHARACTERISTICS

High Optical Properties
Good Processability
Stiffness

APPLICATIONS

High Clarity Packaging
Bread Bags

RESIN PROPERTIES

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

TEST METHOD

ASTM D1238
ASTM D1505

VALUES, English Units

2.0 g/10 min
0.923 g/cm³
750 ppm
1,500 ppm
Yes

VALUES, International Units

2.0 g/10 min
0.923 g/cm³
750 ppm
1,500 ppm
Yes

BLOWN FILM PROPERTIES

Evaluated Film Thickness
Dart Impact Strength
38.0 mm (1.5 in), 0.66 m (26.0 in), F50
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 D882
ASTM D882
ASTM D882
ASTM D882
ASTM D1003
ASTM D2457

VALUES, English Units

1.3 mils
100 g
MD 3,500 psi
TD 2,700 psi
MD 440 %
TD 830 %
MD 25,000 psi
TD 30,000 psi
5.4 %
84.0

VALUES, International Units

31.8 µm
100 g
24.1 MPa
18.6 MPa
440 %
830 %
172.4 MPa
206.9 MPa
5.4 %
84.0

PROCESSING CONDITIONS OF EVALUATED FILM

Die Gap
Blow-up Ratio, BUR

VALUES, English Units

35 mils
2.5 ---

VALUES, International Units

0.9 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

