

TECHNICAL DATA SHEET

TRICOLENE LDF2926SB

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of LDPE is a homopolymer of ethylene produced by an autoclave process. This reference contains slip and antiblock additives.

PROCESSING METHODS

Blown Film Extrusion

CHARACTERISTICS

Good Openability
Low COF
Easy Processability

APPLICATIONS

Thin Bags for Consumer Packaging
Rolls for Automatic Food Packaging

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
0.926 g/cm³
750 ppm
2,750 ppm
Yes

VALUES, International Units

2.0 g/10 min
0.926 g/cm³
750 ppm
2,750 ppm
Yes

BLOWN FILM PROPERTIES

Evaluated Film Thickness
Dart Impact Strenght
38.0 mm (1.5 in), 0.66 m (26.0 in), F50

ASTM D1709A

1.25 mils
65 g

31.8 µm
65 g

Elmendorf Tear Strenght

ASTM D1922

MD 240 g
TD 230 g

240 g
230 g

Tensile Strenght at Break

20.0 in/min (508 mm/min)

ASTM D882

MD 3,335 psi
TD 2,900 psi

23.0 MPa
20.0 MPa

Tensile Elongation at Break

20.0 in/min (508 mm/min)

ASTM D882

MD 330 %
TD 560 %

330 %
560 %

Haze

ASTM D1003

7.0 %

7.0 %

Specular Gloss 60°

ASTM D2457

110.0

110.0

PROCESSING CONDITIONS OF EVALUATED FILM

Die Diameter
Die Gap
Melt Temperature
Blow-up Ratio, BUR
Output

VALUES, English Units

8.0 pulgadas
38 mils
400 °F
2.5 ---
250.0 Lb/h

VALUES, International Units

203 mm
1.0 mm
204 °C
2.5 ---
113.4 kg/h

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

