

TECHNICAL DATA SHEET

TRICOLENE LDF2923

Low Density Polyethylene

777 Post Oak Blvd, Suite 550,
Houston TX, USA - 77056
+1-713-963-0066
www.triconenergy.com



ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of Prime High Clarity LDPE is a homopolymer of ethylene without any slip or antiblock additives.

PROCESSING METHODS

Blown Film Extrusion
Cast Film Extrusion
Foam Extrusion

CHARACTERISTICS

High Optical Properties
Good Processability

APPLICATIONS

Lamination Films
Foams
Light-Duty Shrink Films

RESIN PROPERTIES

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

MFR₂

TEST METHOD

ASTM D1238
ASTM D1505

VALUES, English Units

2.0 g/10 min
0.923 g/cm³
Yes

VALUES, International Units

2.0 g/10 min
0.923 g/cm³
Yes

BLOWN 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

VALUES, English Units

1.5 mils
110 g/F50

VALUES, International Units

38.1 µm
110 g/F50

MD

TD

MD

TD

MD

TD

MD

TD

MD

TD

290 g

100 g

1,500 psi

1,600 psi

4,300 psi

3,300 psi

240 %

550 %

30,000 psi

37,000 psi

5.6 %

69.0

290 g

100 g

10.3 MPa

11.0 MPa

29.7 MPa

22.8 MPa

240 %

550 %

206.9 MPa

255.2 MPa

5.6 %

69.0

PROCESSING CONDITIONS OF EVALUATED FILM

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

VALUES, English Units

2.5 in
30 mils
350 ° F
2.5 ---
8.00 Lb/h/in

VALUES, International Units

64 mm
0.8 mm
177 ° C
2.5 ---
1.43 kg/h/cm

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.

Revision 12 2022.06.16

FLEXIBLE

