

### TECHNICAL DATA SHEET

## TRICOLENE LDF02922B

Low Density Polyethylene

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ADDING A WORLD OF VALUE

### PRODUCT DESCRIPTION

This type of Heavy-Duty LDPE is a high molecular weight homopolymer of ethylene with antiblock additive

### PROCESSING METHODS

Blown Film (Co)Extrusion

### CHARACTERISTICS

Excellent Bubble Stability and Melt Strength  
Good Impact Properties

### APPLICATIONS

Greenhouse Films  
Heavy Duty Sacks, Industrial Shrink Film

### RESIN PROPERTIES

**Melt Flow Rate** 2.16 kg/190 °C MFR<sub>2</sub>  
**Density** 23 °C  
**Antiblock**  
**Antioxidant Package**

### TEST METHOD

ASTM D1238  
ASTM D1505  
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### VALUES, ENGLISH UNITS

0.25 g/10 min  
0.922 g/cm<sup>3</sup>  
2,000 ppm  
Yes

### VALUES, INTERNATIONAL UNITS

0.25 g/10 min  
0.922 g/cm<sup>3</sup>  
2,000 ppm  
Yes

### BLOWN FILM PROPERTIES

**Evaluated Film Thickness**

**Dart Impact Strenght**  
38.0 mm (1.5 in), 0.66 m (26.0 in), F50

**Elmendorf Tear Strenght**

**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

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

### VALUES, ENGLISH UNITS

2.0 mils  
180 g  
  
MD 340 g  
TD 120 g  
MD 3,600 psi  
TD 3,100 psi  
MD 100 %  
TD 540 %  
MD 26,000 psi  
TD 35,000 psi  
15.0 %  
39.0

### VALUES, INTERNATIONAL UNITS

50.8 µm  
180 g  
  
340 g  
120 g  
25 MPa  
21 MPa  
100 %  
540 %  
179 MPa  
241 MPa  
15.0 %  
39.0

### PROCESSING CONDITIONS OF EVALUATED FILM

Die Diameter  
Die Gap  
Blow-up Ratio, BUR

### VALUES, ENGLISH UNITS

2.5 in  
30 mils  
2.5 ---

### VALUES, INTERNATIONAL UNITS

64 mm  
0.8 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.

Revision 1: 2021-10-07

**FLEXIBLE**

