

# TRICOLENE LDF2923SB-3

## 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 LDPE is a homopolymer of ethylene

### PROCESSING METHODS

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

### CHARACTERISTICS

High Optical Properties  
Good Processability  
Stiffness

### APPLICATIONS

High Clarity Packaging  
Bread Bags

### RESIN PROPERTIES

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
<b>Melt Flow Rate</b> 2.16 kgf/190 °C	MFR <sub>2</sub>	2.1 g/10 min	2.1 g/10 min
<b>Density</b> 23 °C	ASTM D1505	0.923 g/cm <sup>3</sup>	0.923 g/cm <sup>3</sup>
<b>Slip</b>	---	750 ppm	750 ppm
<b>Antiblock</b>	---	1,500 ppm	1,500 ppm
<b>Antioxidant Package</b>	---	Yes	Yes

### FILM PROPERTIES \*

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
<b>Evaluated Film Thickness</b>	---	1.5 mils	38.1 μm
<b>Dart Impact Strenght</b> 38.0 mm (1.5 in), 0.66 m (26.0 in), F50	ASTM D1709A	90 g	90 g
<b>Elmendorf Tear Strenght</b>	ASTM D1922	MD 350 g TD 160 g	350 g 160 g
<b>Tensile Strenght at Yield</b> 20.0 in/min (508 mm/min)	ASTM D882	MD 1,500 psi TD 1,600 psi	10 MPa 11 MPa
<b>Tensile Strenght at Break</b> 20.0 in/min (508 mm/min)	ASTM D882	MD 3,400 psi TD 2,700 psi	23 MPa 19 MPa
<b>Tensile Elongation at Break</b> 20.0 in/min (508 mm/min)	ASTM D882	MD 150 % TD 520 %	150 % 520 %
<b>Haze</b>	ASTM D1003	5.9 %	5.9 %
<b>Specular Gloss</b> 45 °	ASTM D2457	74.0	74.0

### PROCESSING CONDITIONS OF THE EVALUATED FILM

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Die Diameter		2.5 in	64 mm
Die Gap		30 mils	0.8 mm
Melt Temperature		350 °F	177 °C
Blow-up Ratio, BUR		2.5 ---	2.5 ---
Specific Output		8.00 Lb/h/in	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.