

TECHNICAL DATA SHEET

TRICOLENE LLB3925

Linear 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 LLDPE is a copolymer of ethylene and 1-butene produced with Ziegler-Natta catalysts in a gas phase polymerization process. This reference does not have any slip or antiblock additives.

PROCESSING METHODS

Cast Film Extrusion

CHARACTERISTICS

Good Stiffness

APPLICATIONS

Cast Film
Blend Resin for General-Purpose Packaging

RESIN PROPERTIES	TEST METHOD	VALUES, English Units	VALUES, International Units
Melt Flow Rate 2.16 kg/190 °C	MFR ₂	3.5 g/10 min	3.5 g/10 min
Density 23 °C	ASTM D1505	0.925 g/cm ³	0.925 g/cm ³
Antioxidant Package	---	Yes	Yes
CAST FILM PROPERTIES	TEST METHOD	VALUES, English Units	VALUES, International Units
Evaluated Film Thickness	---	1.0 mils	25.4 µm
Dart Impact Strength 38.0 mm (1.5 in), 0.66 m (26.0 in), F50	ASTM D1709A	50 g	50 g
Elmendorf Tear Strength	ASTM D1922	MD 60 g TD 300 g	60 g 300 g
Tensile Strength at Break 20.0 in/min (508 mm/min)	ASTM D882	MD 3,200 psi TD 2,800 psi	22.1 MPa 19.3 MPa
Tensile Elongation at Break 20.0 in/min (508 mm/min)	ASTM D882	MD 620 % TD 750 %	620 % 750 %
Tensile Secant Modulus of Elasticity 1 % Elongation, 0.051 in/min (1.3 mm/min)	ASTM D882	MD 32,000 psi TD 36,000 psi	220.7 MPa 248.3 MPa
Haze	ASTM D1003	2.5 %	2.5 %
Specular Gloss 45 °	ASTM D2457	90.0	90.0

PROCESSING CONDITIONS OF EVALUATED FILM

	VALUES, English Units	VALUES, International Units
Melt Temperature	525 °F	274 °C
Chill Roll Temperature	70 °F	21 °C
Specific Output	13.00 Lb/h/in	2.33 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 1 2020.11.04

FLEXIBLE

