

TECHNICAL DATA SHEET

TRICOLENE LLO2920

Linear Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of LLDPE is a copolymer of ethylene and 1-octene produced with Ziegler-Natta catalysts in a solution polymerization process. This grade does not contain any slip or antiblock additives.

PROCESSING METHODS

Cast Film Extrusion

CHARACTERISTICS

Exceptional Toughness
Low Gel Level

APPLICATIONS

Cast Stretch Wrap
Sealing Layer in Coextrusion

RESIN PROPERTIES	TEST METHOD	VALUES, English Units	VALUES, International Units
Melt Flow Rate 2.16 kg/190 °C MFR ₂	ASTM D1238	2.3 g/10 min	2.3 g/10 min
Density 23 °C	ASTM D1505	0.920 g/cm ³	0.920 g/cm ³
Antioxidant Package	---	Yes	Yes
CAST FILM PROPERTIES	TEST METHOD	VALUES, English Units	VALUES, International Units
Evaluated Film Thickness	---	0.8 mils	20.3 µm
Dart Impact Strength 38.0 mm (1.5 in), 0.66 m (26.0 in), F50	ASTM D1709A	190 g / F50	190 g / F50
Elmendorf Tear Strength	ASTM D1922	MD 290 g TD 650 g	290 g 650 g
Tensile Strength at Yield 20.0 in/min (508 mm/min)	ASTM D882	MD 1,300 psi TD 1,200 psi	9.0 MPa 8.3 MPa
Tensile Strength at Break 20.0 in/min (508 mm/min)	ASTM D882	MD 4,800 psi TD 3,600 psi	33.1 MPa 24.8 MPa
Tensile Elongation at Break 20.0 in/min (508 mm/min)	ASTM D882	MD 435 % TD 760 %	435 % 760 %
Tensile Secant Modulus of Elasticity 1 % Elongation, 0.051 in/min (1.3 mm/min)	ASTM D882	MD 20,300 psi TD 23,200 psi	140.0 MPa 160.0 MPa
Haze	ASTM D1003	2.0 %	2.0 %
Specular Gloss 45 °	ASTM D2457	85.0	85.0

PROCESSING CONDITIONS OF EVALUATED FILM

Melt Temperature
Take-off Speed

VALUES, English Units

500 ° F
800.0 ft/min

VALUES, International Units

260 ° C
243.9 m/min

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 0: 2022.08.31

FLEXIBLE

