

# TRICOLENE LLBI20925

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-butene produced with Ziegler-Natta catalysts in a gas phase polymerization process. Product in Pellet Form.

## PROCESSING METHODS

Injection Molding  
Compounds Extrusion

## CHARACTERISTICS

Good Processability  
Outstanding Toughness at Low Temperatures

## APPLICATIONS

Caps and Closures  
Masterbatch Base Resin

## RESIN PROPERTIES

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
<b>Melt Flow Rate</b> 2.16 kgf/190 °C MFR <sub>2</sub>	ASTM D1238	20.0 g/10 min	20.0 g/10 min
<b>Density</b> 23 °C	ASTM D1505	0.925 g/cm <sup>3</sup>	0.925 g/cm <sup>3</sup>
<b>Antioxidant Package</b>	---	Yes	Yes

## MECHANICAL PROPERTIES

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
<b>Tensile Strenght at Yield</b> 2,0 in/min (50,8 mm/min), Type IV compression molded plaque	ASTM D638	1,900 psi	13 MPa
<b>Tensile Elongation at Break</b> 2,0 in/min (50,8 mm/min), Type IV compression molded plaque	ASTM D638	360 %	360 %
<b>Flexural Modulus</b> Secant at 1 % of Elongation - 0,051 in/min (1,3 mm/min)	ASTM D790B	69,000 psi	476 MPa
<b>Izod Notched Impact Strength</b> 1/8 in (3,2 mm), 23 °C	ASTM D256	10.0 ft-lbf/in	534 J/m

## OTHER PROPERTIES

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
<b>Vicat Softennig Temperature - VST</b> 10 N (1 kg), 50 °C/h	ASTM D1525	189 °F	87 °C
<b>Environmental Stress Crack Resistance - ESCR</b> Condicion B: 10 % Igepal a 50 °C, F50	ASTM D1693	110.0 h	110.0 h

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.