TRICOLENE LLBI50926

Linear Low Density Polyethylene

TRICON

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	CHARACTERISTICS	APPLICATIONS
Injection Molding	Good Processability	Caps and Closures
Compounds´Extrusion	Outstanding Toughness at Low Temperatures	Masterbatch Base Resin
	Excellent Tear Resistance at Low Temperatures	

RESIN PROPERTIES	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Melt Flow Rate 2.16 kgf/190 °C MFR_2	ASTM D1238	**50.0** g/10 min	**50.0** g/10 min
Density 23 °C	ASTM D1505	**0.926** g/cm^3	**0.926** g/cm^3
Antioxidant Package	---	**Yes**	**Yes**

MECHANICAL PROPERTIES	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Tensile Strenght at Yield 2,0 in/min (50,8 mm/min), Type IV compression molded plaque	ASTM D638	**1,700** psi	**11.7** MPa
Tensile Elongation at Break 2,0 in/min (50,8 mm/min), Type IV compression molded plaque	ASTM D638	**80** %	**80** %
Flexural Modulus Secant at 1 % of Elongation - 0,051 in/min (1,3 mm/min)	ASTM D790B	**68,000** psi	**469** MPa

OTHER PROPERTIES	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Vicat Softennig Temperature - VST 10 N (1 kg), 50 °C/h	ASTM D1525	**185** °F	**85** °C
Environmental Stress Crack Resistance - ESCR Condicion B: 10 % Igepal a 50 °C, F50	ASTM D1693	**30.0** h	**30.0** 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.

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