TECHNICAL DATA SHEET

TRICOLENE mLLO4917

Linear Low Density Polyethylene Metallocene

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TRICON
ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

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

PROCESSING METHODS	CHARACTERISTICS	APPLICATIONS
Cast Film Extrusion	Exceptional Punture Resistance Very Good Tear Strength Low Gel Level	Cast Stretch Wrap Sealing Layer in Coextrusion

RESIN PROPERTIES		TEST METHOD	VALUES, English Units	VALUES, International Units
Melt Flow Rate 2.16 kgf/190 °C	MFR_2	ASTM D1238	**4.0** g/10 min	**4.0** g/10 min
Density 23 °C		ASTM D1505	**0.917** g/cm³	**0.917** g/cm³
Antioxidant Package		---	**Yes**	**Yes**

CAST FILM PROPERTIES	TEST METHOD		VALUES, English Units	VALUES, International Units
Evaluated Film Thickness	---		**0.8** mils	**20.3** µm
Elmendorf Tear Strength	ASTM D1922	MD	**375** g	**375** g
		TD	**535** g	**535** g
Tensile Strength at Yield 20,0 in/min (508 mm/min)	ASTM D882	MD	**1,100** psi	**7.6** MPa
		TD	**1,000** psi	**6.9** MPa
Tensile Strength at Break 20,0 in/min (508 mm/min)	ASTM D882	MD	**4,600** psi	**31.7** MPa
		TD	**3,600** psi	**24.8** MPa
Tensile Elongation at Break 20,0 in/min (508 mm/min)	ASTM D882	MD	**470** %	**470** %
		TD	**780** %	**780** %
Tensile Secant Modulus of Elasticity 1 % Elongation, 0,051 in/min (1,3 mm/min)	ASTM D882	MD	**14,500** psi	**100.0** MPa
		TD	**17,400** psi	**120.0** MPa
Haze	ASTM D1003		**0.8** %	**0.8** %
Specular Gloss 45 °	ASTM D2457		**85.0**	**85.0**

PROCESSING CONDITIONS OF EVALUATED FILM	VALUES, English Units	VALUES, International Units
Melt Temperature	**500** ° F	**260** ° C
Take-off Speed	**800.0** ft/min	**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.

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FLEXIBLE