

TRICOLENE LDF2922SB

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of LDPE is a homopolymer of ethylene

PROCESSING METHODS

Blown Film (Co)Extrusion
Cast Film (Co)Extrusion

CHARACTERISTICS

Good Optical Properties
Good Processability

APPLICATIONS

General Purpose Packaging

RESIN PROPERTIES

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Melt Flow Rate 2.16 kgf/190 °C MFR ₂	ASTM D1238	2.2 g/10 min	2.2 g/10 min
Density 23 °C	ASTM D1505	0.922 g/cm ³	0.922 g/cm ³
Slip	---	750 ppm	750 ppm
Antiblock	---	1,700 ppm	1,700 ppm

FILM PROPERTIES *

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Evaluated Film Thickness	---	1.5 mils	38.1 μm
Dart Impact Strength 38.0 mm (1.5 in), 0.66 m (26.0 in), F50	ASTM D1709A	100 g	100 g
Tensile Strength at Yield 20.0 in/min (508 mm/min)	ASTM D882	MD 1,500 psi TD 1,500 psi	10 MPa 10 MPa
Tensile Strength at Break 20.0 in/min (508 mm/min)	ASTM D882	MD 3,000 psi TD 2,800 psi	21 MPa 19 MPa
Tensile Elongation at Break 20.0 in/min (508 mm/min)	ASTM D882	MD 420 % TD 570 %	420 % 570 %
Haze	ASTM D1003	7.0 %	7.0 %
Specular Gloss 45 °	ASTM D2457	73.0	73.0

PROCESSING CONDITIONS OF THE EVALUATED FILM

	TEST METHOD	VALUES, ENGLISH UNITS	VALUES, INTERNATIONAL UNITS
Die Diameter		3.0 in	76 mm
Die Gap		35 mils	0.9 mm
Blow-up Ratio, BUR		2.5 ---	2.5 ---

* 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.