

TECHNICAL DATA SHEET

TRICOLENE LDF07922B

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of Prime Medium-Heavy Duty LDPE is a Homopolymer of Ethylene with an antiblock additive

PROCESSING METHODS

Blown Film Extrusion
Flexible Tube Extrusion

CHARACTERISTICS

Good Optics
Good Shrink Properties
Good Tear Strength

APPLICATIONS

Collation Shrink Films
Pallet Shrink Film
Flexible Hoses

RESIN PROPERTIES

TEST METHOD

VALUES, English Units

VALUES, International Units

Melt Flow Rate 2.16 kg/190 °C	MFR ₂	ASTM D1238	0.75 g/10 min	0.75 g/10 min
Density 23 °C		ASTM D1505	0.922 g/cm ³	0.922 g/cm ³
Antiblock		---	2,000 ppm	2,000 ppm
Antioxidant Package		---	Yes	Yes

BLOWN FILM PROPERTIES

TEST METHOD

VALUES, English Units

VALUES, International Units

Evaluated Film Thickness	---		2.0 mils	50.8 µm
Dart Impact Strength	ASTM D1709A		160 g	160 g
38.0 mm (1.5 in), 0.66 m (26.0 in), F50				
Elmendorf Tear Strength	ASTM D1922	MD	510 g	510 g
		TD	150 g	150 g
Tensile Strength at Yield		MD	1,600 psi	11.0 MPa
20.0 in/min (508 mm/min)	ASTM D882	TD	1,700 psi	11.7 MPa
Tensile Strength at Break		MD	3,700 psi	25.5 MPa
20.0 in/min (508 mm/min)	ASTM D882	TD	3,100 psi	21.4 MPa
Tensile Elongation at Break		MD	140 %	140 %
20.0 in/min (508 mm/min)	ASTM D882	TD	530 %	530 %
Tensile Secant Modulus of Elasticity		MD	34,000 psi	234.5 MPa
1 % Elongation, 0.051 in/min (1.3 mm/min)	ASTM D882	TD	40,000 psi	275.9 MPa
Haze	ASTM D1003		8.0 %	8.0 %
Specular Gloss 45 °	ASTM D2457		59.0	59.0

PROCESSING CONDITIONS OF EVALUATED FILM

VALUES, English Units

VALUES, International Units

Die Diameter	2.5 in	64 mm
Die Gap	30 mils	0.8 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.

Revision 1: 2021.10.07

FLEXIBLE

