

TECHNICAL DATA SHEET

LDF2926SB

Low Density Polyethylene

PRODUCT DESCRIPTION

This type of LDPE is a homopolymer of ethylene produced by an autoclave process. This reference contains slip and antiblock additives.

PROCESSING METHODS

Blown Film Extrusion

CHARACTERISTICS

Good Openability
Low COF
Easy Procesability

APPLICATIONS

Thin Bags for Consumer Packaging
Rolls for Automatic Food Packaging

RESIN PROPERTIES

TEST METHOD

VALUES, English Units

VALUES, International Units

Melt Flow Rate 2.16 kgf/190 °C	MFR ₂	ASTM D1238	2.0 g/10 min	2.0 g/10 min
Density 23 °C		ASTM D1505	0.926 g/cm ³	0.926 g/cm ³
Slip		---	750 ppm	750 ppm
Antiblock		---	2,750 ppm	2,750 ppm
Antioxidant Package		---	Yes	Yes

BLOWN FILM PROPERTIES

TEST METHOD

VALUES, English Units

VALUES, International Units

Evaluated Film Thickness	---	1.25 mils	31.8 µm
Dart Impact Strenght	ASTM D1709A	65 g	65 g
Elmendorf Tear Strenght	ASTM D1922	MD 240 g TD 230 g	240 g 230 g
Tensile Strenght at Break	ASTM D882	MD 3,335 psi TD 2,900 psi	23.0 MPa 20.0 MPa
Tensile Elongation at Break	ASTM D882	MD 330 % TD 560 %	330 % 560 %
Haze	ASTM D1003	7.0 %	7.0 %
Specular Gloss 60°	ASTM D2457	110.0	110.0

PROCESSING CONDITIONS OF EVALUATED FILM

VALUES, English Units

VALUES, International Units

Die Diameter	8.0 pulgadas	203 mm
Die Gap	38 mils	1.0 mm
Melt Temperature	400 °F	204 °C
Blow-up Ratio, BUR	2.5 ---	2.5 ---
Output	250.0 Lb/h	113.4 kg/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.