



Westlake Polyethylene EF923

EF923AA = D7471-X; EF923AP = E6838-795F

EF923SG = E6838-923F, E6838-963F, D4054-F

Product Description

WESTLAKE polyethylene EF923 is a low-density formulation suggested for film applications that require a good balance of properties such as converter film for industrial packaging and general purpose packaging. It is also suggested for heat-sealing treated-to-treated film surfaces and where good clarity is important.

Application/Uses

- Bread Bags
- Food Packaging
- Food-contact applications
- Produce Bags
- Industrial packaging

Typical Properties

Property ^a	Test ^b Method	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)	D 1238	2.5 g/10 min
Density	D 4883	0.921
Vicat Softening Temperature	D 1525	94°C (201°F)
Haze	D 1003	6%
Gloss @ 45°	D 2457	70
Transparency	D 1746	90%
Elmendorf Tear Resistance		
M.D.	D 1922	400 g
T.D.	D 1922	140 g
Tensile Strength @ Yield		
M.D.	D 882	26 MPa (3800 psi)
T.D.	D 882	10 MPa (1500 psi)
Tensile Strength @ Break		
M.D.	D 882	26 MPa (3800 psi)
T.D.	D 882	19 MPa (2700 psi)
Tensile Modulus, 1% Secant		
M.D.	D 882	186 MPa (27000 psi)
T.D.	D 882	220 MPa (32000 psi)
Dart Impact	D 1709A	100 g
Elongation @ Break		
M.D.	D 882	250%
T.D.	D 882	750%
Water Vapor Transmission Rate		
	F 372	18.6 (1.2)
	D 3985	200 (506)

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

Applications

WESTLAKE polyethylene EF923 is a low density formulation suggested for film applications that require heat-sealing treated-to-treated film surfaces and where good clarity is important. Common applications include bread bags, fresh produce bags, and converter film requiring printability.

FDA

This resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance.

General

Test specimens for blown film: nominal thickness 1.5 mils (0.038 mm); blowup ratio 2.4 to 1. Die gap 50 mils.

Comments

Properties reported here are typical of average lots. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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