

# Westlake LDPE EF923

Low Density Polyethylene  
Westlake Chemical Corporation

Message:

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.

General Information	
Features	Food Contact Acceptable
Uses	Bags Film Food Packaging Industrial Applications Packaging
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Blown Film Cast Film

Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)	2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 38 µm, Blown Film	186	MPa	
1% Secant, TD : 38 µm, Blown Film	220	MPa	
Tensile Strength			ASTM D882
MD : Break, 38 µm,Cast Film	26.0	MPa	
TD : Break, 38 µm,Blown Film	19.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm,Blown Film	250	%	
TD : Break, 38 µm,Blown Film	750	%	
Dart Drop Impact (38 µm, Blown Film)	100	g	ASTM D1709A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.1 µm, Blown Film)	70		ASTM D2457
Haze (38.1 µm, Blown Film)	6.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 193	°C	

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