

# Westlake LDPE EF796

Low Density Polyethylene  
Westlake Chemical Corporation

Message:

Westlake Polyethylene EF796 is a low density formulation suggested for film applications requiring a good balance of properties such as converter film for industrial packaging and general-purpose packaging.

General Information			
Uses	Film		
	Industrial Applications		
	Packaging		
Agency Ratings		FDA 21 CFR 177.1520	
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm <sup>3</sup>	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 38 µm, Blown Film	186	MPa	
1% Secant, TD : 38 µm, Blown Film	220	MPa	ASTM D882
Tensile Strength			
MD : Break, 38 µm,Blown Film	26.0	MPa	
TD : Break, 38 µm,Blown Film	19.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 38 µm,Blown Film	250	%	
TD : Break, 38 µm,Blown Film	750	%	ASTM D1709A
Dart Drop Impact (38 µm, Blown Film)	100	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ASTM D1525
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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