

Westlake LDPE EF1807

Low Density Polyethylene
Westlake Chemical Corporation

Message:

Westlake Polyethylene EF1807 is a low density formulation suggested for film applications that require toughness.

General Information			
Uses	Cast Film		
	Film		
	Food 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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238

Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	221	MPa	ASTM D882
1% Secant, TD	276	MPa	
Tensile Strength			ASTM D882
MD : Break	33.1	MPa	ASTM D882
TD : Break	21.4	MPa	
Tensile Elongation			ASTM D882
MD : Break	200	%	ASTM D882
TD : Break	800	%	
Dart Drop Impact	110	g	ASTM D1709

Optical	Nominal Value	Unit	Test Method
Gloss (45°)	80		ASTM D2457
Haze	4.0	%	ASTM D1003

Injection	Nominal Value	Unit
Processing (Melt) Temp	182 to 193	°C

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