

Westlake LDPE EN1807AA

Low Density Polyethylene

Westlake Chemical Corporation

Message:

WESTLAKE polyethylene EN1807 is a fractional-melt low-density formulation suggested for film applications requiring high impact strength, high tear strength, and very good optical properties, such as packaging for frozen foods.

General Information			
Features	Food Contact Acceptable		
	Good Tear Strength		
	High Impact Resistance		
	Low Flow		
	Opticals		
Uses	Film		
	Food Packaging		
	Packaging		
	Shrink Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	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	220	MPa	
1% Secant, TD : 38 µm, Blown Film	274	MPa	ASTM D882
Tensile Strength			
MD : Break, 38 µm,Blown Film	33.0	MPa	
TD : Break, 38 µm,Blown Film	22.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 38 µm,Blown Film	200	%	
TD : Break, 38 µm,Blown Film	800	%	ASTM D1709A
Dart Drop Impact (38 µm, Blown Film)	110	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.1 µm, Blown Film)	80		ASTM D2457
Haze (38.1 µm, Blown Film)	4.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 193	°C	

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