

Westlake LDPE EN1817AA

Low Density Polyethylene
Westlake Chemical Corporation

Message:

EN1817AA = 1830A, 1830E, 1830F
Application/Uses
Converter film for food
Flexible medical
Industrial packaging
Product Description
Westlake Polyethylene EN1817 is a low density formulation suggested for film applications requiring high clarity, good tear and impact strength, good printability and a wide heat-sealing range.

General Information			
Features	Excellent Printability		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Tear Strength		
	High Clarity		
Uses	Film		
	Industrial Applications		
	Medical/Healthcare Applications		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	207	MPa	
1% Secant, TD	241	MPa	
Tensile Strength			ASTM D882
MD : Break	33.8	MPa	
TD : Break	22.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	300	%	
TD : Break	850	%	
Dart Drop Impact	110	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method

Gloss (45°)	70		ASTM D2457
Haze	6.0	%	ASTM D1003
Additional Information	Nominal Value		
Blow-up Ratio	> 2.4:1		
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 193	°C	

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