

Westlake LDPE EP413

Low Density Polyethylene
Westlake Chemical Corporation

Message:

WESTLAKE polyethylene EP413 is a low-density polyethylene recommended for blown or cast film clarity applications. This material has very good optical properties, and is suggested for bakery films, produce bags, and general purpose clarity applications.

General Information			
Uses	Cast Film		
	Film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	186	MPa	
1% Secant, TD	207	MPa	
Tensile Strength			ASTM D882
MD : Break	26.2	MPa	
TD : Break	17.2	MPa	
Tensile Elongation			ASTM D882
MD : Break	490	%	
TD : Break	700	%	
Dart Drop Impact	100	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 199	°C	

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Recommended distributors for this material

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