

Westlake MDPE EB171

Medium Density Polyethylene
Westlake Chemical Corporation

Message:

Westlake EB171 is a MDPE resin suggested for use in shrink packaging applications. This material has good TD shrinkage, good optical properties, excellent machinability and toughness.

General Information			
Features	Good Toughness		
	Machinable		
	Opticals		
Uses	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	33	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 33 µm, Blown Film	338	MPa	
1% Secant, TD : 33 µm, Blown Film	448	MPa	ASTM D882
Tensile Strength			
MD : Break, 33 µm,Blown Film	26.2	MPa	
TD : Break, 33 µm,Blown Film	18.6	MPa	ASTM D882
Tensile Elongation			
MD : Break, 33 µm,Blown Film	300	%	
TD : Break, 25 µm,Blown Film	800	%	ASTM D1709
Dart Drop Impact (33 µm, Blown Film)	< 65	g	
Extrusion	Nominal Value	Unit	
Melt Temperature	193 to 210	°C	

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Recommended distributors for this material

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