

# Westlake LDPE EC1550

Low Density Polyethylene  
Westlake Chemical Corporation

Message:

WESTLAKE low-density polyethylene EC1550 is used for extrusion-coating applications, especially when increased heat-seal range is needed.

- Application/Uses
- Flexible medical
  - Foil
  - Food packaging
  - Food-contact applications
  - Laminating
  - Medical
  - Playing cards
  - Toys/sporting goods

General Information			
Features	Low density		
Uses	Laminate		
	Non-specific food applications		
	Food packaging		
	Sporting goods		
	Toys		
	Medical devices		
Agency Ratings	FDA not rated		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	11.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	500	%	ASTM D638
Flexural Modulus - 2% Secant <sup>3</sup>	207	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	149 - 166	°C	
NOTE			
1.	Type 4, 510mm/min		
2.	Type 4, 510mm/min		
3.	13 mm/min		

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