

# Westlake LDPE EM811AA

Low Density Polyethylene  
Westlake Chemical Corporation

Message:  
WESTLAKE low-density polyethylene EM811 is a low-density polyethylene used for injection molding. It is characterized by high and low stiffness  
EM811A = 811A or 811E

General Information			
Features	High Flow		
Uses	Medical Devices		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	9.00	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638
Flexural Modulus - 2% Secant <sup>3</sup>	200	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	149 to 166	°C	
NOTE			
1.	Type IV, 500 mm/min		
2.	Type IV, 500 mm/min		
3.	13 mm/min		

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