

Westlake LDPE EM182AA

Low Density Polyethylene

Westlake Chemical Corporation

Message:

WESTLAKE low-density polyethylene EM182 is a low density formulation used for injection molding. It is an outstanding material for molding lids and other container closures because it processes easily on automatic molding equipment to produce molding items with excellent gloss, clarity, and warpage resistance. Users must make their own determination that their use of this product is safe, legal and technically suitable for their intended applications.

General Information

Features	High Clarity High Gloss Warp Resistant
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Uses	Containers Cosmetics Food Packaging Lids Medical/Healthcare Applications Sporting Goods Toys
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Agency Ratings	FDA 21 CFR 177.1520
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Forms	Pellets
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Processing Method	Injection Molding
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Physical	Nominal Value	Unit	Test Method
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Density	0.920	g/cm ³	ASTM D1505
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Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
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Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength ¹ (Break)	8.27	MPa	ASTM D638
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Tensile Elongation ² (Break)	90	%	ASTM D638
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Flexural Modulus - 2% Secant ³	228	MPa	ASTM D790
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Injection	Nominal Value	Unit
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Processing (Melt) Temp	149 to 166	°C
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NOTE

1.	510 mm/min
2.	510 mm/min
3.	13 mm/min

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