



## Application/Uses

- Cosmetics/personal care packaging
- Container closures
- Food packaging
- Furniture/furniture trim
- Lids
- Medical
- Toys/sporting goods

## Product Description

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.

## Typical Physical Properties

<u>Property<sup>a</sup></u>	<u>Test<sup>b</sup> Method</u>	<u>Typical Value, Units<sup>c</sup></u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	20 g/10 min
Density	D 4883	920 kg/m <sup>3</sup> (0.920 g/cm <sup>3</sup> )
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV	8 MPa (1200 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV	90%
Flexural Modulus (2% Secant) 12.7 mm/min (0.5 in./min)	D 790	228 MPa (33,000 psi)

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

## NOTES

Where required, test specimens are compression molded according to ASTM D1928.

## FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

## PROCESSING

Melt temperatures of 300° F - 330° F are recommended for Westlake EM182.

## COMMENTS

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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