



# Westlake Chemical

**EM184**  
EM184AA = 18DOA  
EM184GA = D4053-A

## Application/Uses

- Food-contact applications
- Lids
- Medical

## Product Description

WESTLAKE low-density polyethylene EM184 is a low density injection-molding formulation suggested for the production of closures where a high melt index is needed to meet shrinkage requirements and fast molding cycles. It molds with unusual ease and is suggested for large, thick-walled items where stress-crack resistance is not a primary requirement. WESTLAKE polyethylene EM184 can be used as a base for color concentrates.

## 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	40 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	70%
Flexural Modulus (2% Secant) 12.7 mm/min (0.5 in./min)	D 790	221 MPa (32,000 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 resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance.

## PROCESSING

Melt temperatures of 300° F - 330° F are recommended for Westlake Chemical EM184.

## 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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