



# Westlake Chemical

## EM800

EM800AA = 800A or 800E  
EM800CA = E6838-862A

### Application/Uses

- Cosmetics/personal care packaging
- Furniture/furniture trim
- Medical
- Toys/sporting goods

### Product Description

WESTLAKE low-density polyethylene EM800 is a general-purpose low-density formulation used for injection molding applications that require good stress-crack resistance.

### 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	1.7 g/10 min
Density	D 4883	918 kg/m <sup>3</sup> (0.918 g/cm <sup>3</sup> )
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV	12 MPa (1800 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV	500%
Flexural Modulus (2% Secant) 12.7 mm/min (0.5 in./min)	D 790	200 MPa (29,000 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 EM800.

### 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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