



Westlake Polymers

Enhancing your life every day

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

Property ^a	Test ^b Method	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)	D 1238	1.7 g/10 min
Density	D 4883	918 kg/m ³ (0.918 g/cm ³)
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)

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

^b Unless noted otherwise, the test method is ASTM.

^c 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 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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