

Technical Data Sheet

Applications

- Medical / flexible medical
- Lids
- Injection molding

Product Description

Westlake EM1870 is an LDPE resin used for injection molding applications such as lids that require good stress-crack resistance.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)	D 1238	7.4 g/10 min
Density	D 1505	921 kg/m ³ (0.921 g/cm ³)
Peak Melting Point by DSC (T _m)	D 3418	112.8°C (235.0°F)
Vicat Softening Temperature	D 1525	91.0°C (195.8°F)
Tensile Strength @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	9.7 MPa (1,400 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	400 %

^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 D 1928.

Processing

Melt temperatures of 300°F – 340°F are recommended for Westlake Chemical EM1870.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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