



Application/Uses

- Photographic paper
- Release paper
- Spiral wound can linings
- Grease barrier

Product Description

Westlake MC2004 is a high density polyethylene designed for extrusion coating and laminating applications. MC2004 provides improved barrier properties, temperature resistance, stress crack resistance, scuff resistance, gloss and coefficient of friction (COF) compared to low density polyethylene.

Typical Physical Properties

<u>Property^a</u>	<u>Test^b Method</u>	<u>Typical Value, Units^c</u>
Melt Index (Condition 190°C/2.16 kg)	D 1238	10 g/10 min
Density	D 4883	946 kg/m ³ (0.946 g/cm ³)
Vicat Softening Temperature	D 1525	117°C (243°F)
Brittleness Temperature	D 746	<-73°C (<-99°F)
Tensile Stress @ Yield 500 mm/min (20 in./min)	D 638 Type IV Specimen	22 MPa (3200 psi)
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	25 MPa (3700 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	30%
Flexural Modulus (2% Secant) 12.7 mm/min (0.5 in./min)	D 790	896 MPa (130000 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, 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

Contact the Westlake Chemical Corporation Technical Services Group for processing temperature information. (903-242-7693)

Comments

Properties reported here are typical of average lots. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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