



# Westlake Polymers

Enhancing your life every day

## EC4041

EC4041AA = D4041-P

### Application/Uses

- Food-contact applications

### Product Description

WESTLAKE low-density polyethylene EC4041 is recommended for use in the boardstock coating industry. The resin has low neck-in and good drawdown characteristics. Coatings produced from EC4041 have excellent heat-sealing characteristics.

### 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	5.6 g/10 min
Density	D 4883	922 kg/m <sup>3</sup> (0.922 g/cm <sup>3</sup> )
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV	13.1 MPa (1900 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV	180%
Flexural Modulus (2% Secant) 12.7 mm/min (0.5 in./min)	D 790	255 MPa (37,000 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 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 EC4041.

### 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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