

Technical Data Sheet

Applications

- Coatings for paper/paperboard
- Extrusion lamination

Product Description

TRUCOAT® EC1390 is a low density polyethylene resin designed for extrusion coating and laminating applications where high coating speeds and drawdown are required. It adheres well to paper, provides a good moisture barrier, and is heat-sealable at low temperatures.

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Melt Index	D 1238	15 g/10 min
Density	D 1505	915 kg/m ³ (0.915 g/cm ³)
Peak Melting Point by DSC (T _m)	D 3418	107°C (225°F)
Vicat Softening Temperature	D 1525	84°C (183°F)
Tensile Strength @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	9 MPa (1,300 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	300 %
Flexural Modulus 1% Secant	D 790	193 MPa (28,000 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 D 1928.

Processing

Extrusion coating melt temperatures not to exceed 625°F are recommended for TRUCOAT® EC1390.

Regulatory Compliance

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

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