Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

TRUCOAT® EC850

Extrusion Coating Polyethylene

Technical Data Sheet

Applications

- Coatings for paper/paperboard
- Extrusion lamination

Product Description

TRUCOAT® EC850 is a low density polyethylene resin designed for extrusion coating applications where high coating speeds and good drawdown are required. This product also provides good heat seals at high packaging or sealing rates (or low temperatures), in addition to providing good adhesion to paper and a good moisture barrier.

Typical Physical Properties

Property [a]	Test Method [b]	Typical Value, Units [c]
Melt Index	D 1238	12.5 g/10 min
Density	D 1505	915 kg/m^3 (0.915 g/cm^3)
Peak Melting Point by DSC (T_m)	D 3418	105°C (221°F)
Vicat Softening Temperature	D 1525	84°C (183°F)
Tensile Strength @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	9.7 MPa (1,400 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	400 %
Flexural Modulus 1% Secant	D 790	172.4 MPa (25,000 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® EC850.

Regulatory Compliance

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

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. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

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