

Technical Data Sheet

Applications

- Food-contact applications
- Cupstock and boardstock coating

Product Description

TRUCOAT® EC4041 is a low density polyethylene resin that is recommended for use in the boardstock coating industry. This material has low neck-in and good heat sealing and drawdown characteristics.

Typical Physical Properties

| Property ^a | Test Method ^b | Typical Value, Units ^c |
|--|--------------------------|--|
| Melt Index | D 1238 | 5.6 g/10 min |
| Density | D 1505 | 922 kg/m ³ (0.922 g/cm ³) |
| Peak Melting Point by DSC (T _m) | D 3418 | 112°C (234°F) |
| Vicat Softening Temperature | D 1525 | 92°C (198°F) |
| Tensile Strength @ Break (500 mm/min, 20 in/min) | D 638 Type IV Specimen | 9.3 MPa (1,350 psi) |
| Elongation @ Break (500 mm/min, 20 in/min) | D 638 Type IV Specimen | 100 % |
| Flexural Modulus 1% Secant | D 790 | 296.5 MPa (43,000 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® EC4041.

Regulatory Compliance

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

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