

Technical Data Sheet

Applications

- Flexible medical
- Food packaging
- Laminating
- Playing cards
- Toys / sporting goods

Product Description

TRUCOAT® EC1550 is a low density polyethylene resin designed for use in extrusion coating applications, especially when increased heat-seal range is needed.

Typical Physical Properties

| Property ^a | Test Method ^b | Typical Value, Units ^c |
|--|--------------------------|--|
| Melt Index | D 1238 | 3.5 g/10 min |
| Density | D 1505 | 917 kg/m ³ (0.917 g/cm ³) |
| Peak Melting Point by DSC (T _m) | D 3418 | 107°C (225°F) |
| Vicat Softening Temperature | D 1525 | 87°C (189°F) |
| Tensile Strength @ Break (500 mm/min, 20 in/min) | D 638 Type IV Specimen | 12.4 MPa (1,800 psi) |
| Elongation @ Break (500 mm/min, 20 in/min) | D 638 Type IV Specimen | 400 % |
| 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® EC1550.

Regulatory Compliance

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

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