

Applications

- Medium and lightweight coatings and laminations
- Substrate coatings for heat sealability
- Hot melt laminating adhesive
- General-purpose coatings

Product Description

TRUCOAT® EC476 is a low density polyethylene resin designed for extrusion coating and laminating applications where high coating speeds and good 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 | 13.7 g/10 min |
| Density | D 1505 | 918 kg/m ³ (0.918 g/cm ³) |
| Peak Melting Point by DSC | D 3418 | 104°C (219°F) |
| Vicat Softening Point | D 1525 | 84°C (183°F) |
| Ultimate Tensile 500 mm/min (20 in/min) | D 638 Type IV Specimen | 1,300 psi |
| Elongation 500 mm/min (20 in/min) | D 638 Type IV Specimen | 450% |
| Flexural Modulus 1% Secant | D 790 | 20,000 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® EC476.

Regulatory Compliance

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

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