

Technical Data Sheet

Applications

- Photographic paper
- Release paper
- Spiral-wound can linings
- Grease barrier

Product Description

TRUCOAT® MC2004 is a high density polyethylene designed for extrusion coating and lamination applications. Compared to low density polyethylene, it provides improved barrier properties, temperature resistance, stress crack and scuff resistance, gloss, and coefficient of friction (COF).

Typical Physical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Melt Index	D 1238	10.0 g/10 min
Density	D 1505	946 kg/m ³ (0.946 g/cm ³)
Peak Melting Point by DSC (T _m)	D 3418	130°C (266°F)
Vicat Softening Temperature	D 1525	114°C (237°F)
Brittleness Temperature	D 746	< -73°C (< -99°F)
Tensile Strength @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	20.7 MPa (3,000 psi)
Elongation @ Break (500 mm/min, 20 in/min)	D 638 Type IV Specimen	15 %
Flexural Modulus 1% Secant	D 790	862 MPa (125,000 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® MC2004.

Regulatory Compliance

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

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