

Westlake MC2004 High Density Polyethylene Coating

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Westlake MC2004 is a high density polyethylene designed for extrusion coating and lamination applications. MC2004 provides improved barrier properties, temperature resistance, stress crack resistance, scuff resistance, gloss and coefficient of friction (COF) compared to low density polyethylene. Application/Uses Photographic paper Release paper Spiral wound can linings Grease barrier FDA: This material complies with FDA regulations in 21 CFR, section 177.1520. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-MC2004-High-Density-Polyethylene-Coating.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D4883
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	500mm/min; ASTM D638 Type IV Specimen
Elongation at Break	30 %	30 %	500mm/min; ASTM D638 Type IV Specimen
Flexural Modulus	0.896 GPa	130 ksi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	114 °C	237 °F	ASTM D1525

Descriptive Properties	Value	Comments
Process	Coating	

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