

Westlake EC1390AA Low Density Polyethylene

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

Material Notes:

WESTLAKE low-density polyethylene EC1390 is used primarily in extrusion-coating applications that require fast line speeds and relatively low coating weights. When compared with other low-density polyethylene coating materials that have considerably lower melt indexes, EC1390 has slightly better adhesion to paper substrates and can be heat-sealed at a slightly lower temperature. However, high melt index coating materials produce slightly more neck-in and a narrower heat-sealing temperature. Application/Uses Coatings for paper/paperboard FDA: This material complies with FDA regulations in 21 CFR, section 177.1520. Kosher Compliant. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-EC1390AA-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in ³	ASTM D1505
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 190 °C	15 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	9.00 MPa	1310 psi	500mm/min; ASTM D638 Type IV Specimen
Elongation at Break	300 %	300 %	500mm/min; ASTM D638 Type IV Specimen
2% Secant Modulus	0.193 GPa	28.0 ksi	12.7mm/min; ASTM D790

Processing Properties	Metric	English	Comments
Melt Temperature	149 - 166 °C	300 - 330 °F	

Descriptive Properties	Value	Comments
Process	Coating	
Region	US & Canada	Bamberger Polymers Distribution

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