

Westlake EC850AA Low Density Polyethylene

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

Material Notes:

WESTLAKE low-density polyethylene EC850 is a resin designed for applications where high coating speeds and good drawdown are required. The combination of high melt index and low density provides good heat seals at high packing or sealing rates. It also demonstrates good adhesion to paper, provides a good moisture barrier, and is heat-sealable at low temperatures. Application/Uses: Coatings for paper/paperboard, Food contact applications. 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-EC850AA-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in ³	ASTM D1505
Melt Flow	12.5 g/10 min @Load 2.16 kg, Temperature 190 °C	12.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	9.70 MPa	1410 psi	500mm/min; ASTM D638 Type IV Specimen
Elongation at Break	400 %	400 %	500mm/min; ASTM D638 Type IV Specimen
2% Secant Modulus	0.172 GPa	24.9 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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