Westlake EF378 Low Density Polyethylene

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

Material Notes:

WESTLAKE EF378 is suggested for cast film applications. It has excellent haze and gloss, good strength, good processability, and good heat sealability.Application/UsesDiaper linersGeneral purpose clarityFDA: 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-EF378-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in³	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Dart Drop	3.15 g/micron	80.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	24.1 MPa	3500 psi	ASTM D882
Film Tensile Strength at Break, TD	18.6 MPa	2700 psi	ASTM D882
1% Secant Modulus, MD	172 MPa	25000 psi	ASTM D882
1% Secant Modulus, TD	200 MPa	29000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	5.5 %	5.5 %	ASTM D1003
Gloss	70 %	70 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 199 °C	360 - 390 °F	with BUR of 1.5:1 or higher
Blow-up Ratio (BUR)	2.5	2.5	

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

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