

Equate EFDA-7047 LLDPE Film Extrusion Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

Material Notes:

EFDA-7047 is a linear low-density polyethylene resin for tubular blown film extrusion. Films made from this resin have good toughness, high tensile strength and puncture resistance. EFDA-7047 does not contain any slip or antiblocking agent. Applications: Industrial linersBlown film stretch wrapHeavy-duty filmsGeneral-purpose blown films for a variety of applications.Information provided by Equate

Order this product through the following link:

http://www.lookpolymers.com/polymer_Equate-EFDA-7047-LLDPE-Film-Extrusion-Resin.php

Physical Properties	Metric	English	Comments
Bulk Density	0.538 g/cc	0.0194 lb/in ³	ASTM D1895
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D792
Thickness	25.0 microns	0.984 mil	As Tested
Melt Flow	1.0 g/10 min @Load 2.16 kg	1.0 g/10 min @Load 4.76 lb	ASTM D1238

Mechanical Properties	Metric	English	Comments
Elmendorf Tear Strength, MD	35.0 g/micron @Thickness 0.0250 mm	889 g/mil @Thickness 0.000984 in	ASTM D1922
Elmendorf Tear Strength, TD	26.0 g/micron @Thickness 0.0250 mm	660 g/mil @Thickness 0.000984 in	ASTM D1922
Dart Drop	4.20 g/micron @Thickness 0.0250 mm	107 g/mil @Thickness 0.000984 in	ASTM D1709 A
Dart Drop Test	105 g	0.232 lb	F50; ASTM D1709 A
Film Tensile Strength at Break, MD	34.0 MPa @Thickness 0.0250 mm	4930 psi @Thickness 0.000984 in	ASTM D882
Film Tensile Strength at Break, TD	26.0 MPa @Thickness 0.0250 mm	3770 psi @Thickness 0.000984 in	ASTM D882
1% Secant Modulus, MD	193 MPa @Thickness 0.0250 mm	28000 psi @Thickness 0.000984 in	ASTM D882

Mechanical Properties	Metric ^{Pa}	English ^{psi}	Comments
1% Secant Modulus, TD	@Thickness 0.0250 mm	@Thickness 0.000984 in	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	Equate Test Method

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	65 %	65 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	2.0	2.0	2:1 As Tested

Descriptive Properties	Value	Comments
Puncture Energy	70 J/mm	Equate Test Method

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