

ExxonMobil LDPE LD 152BW Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 152BW is an LDPE grade offering an excellent combination of optical properties and stiffness. The 2.2 MI makes it ideal for blowing thicker films.
Availability: Africa & Middle East and Europe
Additive: Antiblock: NoSlip: NoThermal Stabilizer:

YesApplications: Cast FilmCo-Extrusion FilmsDiaper BacksheetHygiene PackagingLabel FilmLamination FilmOverwrap FilmPaper

OverwrapProduce BagsInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-152BW-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.933 g/cc	0.0337 lb/in ³	ExxonMobil method
Melt Flow	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	15.9 MPa	2300 psi	ASTM D882
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	170 g	170 g	ASTM D1922
Dart Drop Test	60.0 g	0.132 lb	ASTM D1709A
Film Tensile Strength at Break, MD	28.3 MPa	4100 psi	ASTM D882
Film Tensile Strength at Break, TD	22.1 MPa	3200 psi	ASTM D882
1% Secant Modulus, MD	359 MPa	52000 psi	ASTM D882
1% Secant Modulus, TD	400 MPa	58000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 243 °C	<= 469 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003

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