

ExxonMobil LDPE LD 071.LQ Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 071 Series case wrap film resins combine good processability with excellent strength and good film optics for bundling applications requiring proper shrink performance, toughness, burn-through resistance and clarity. Availability: Latin America, North America and South America Additive: Antiblock: 4000 ppm Slip: No Thermal Stabilizer: No Applications: Blend Partner Co-Extrusion Films Collation Shrink Construction Film Form Fill and Seal Packaging Freezer Film Lamination Film Medium Duty Shrink Film Pallet Shrink Film Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-071LQ-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ExxonMobil method
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	4000 ppm	4000 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.7 MPa	1700 psi	ASTM D882
Film Elongation at Break, MD	130 %	130 %	ASTM D882
Film Elongation at Break, TD	540 %	540 %	ASTM D882
Elmendorf Tear Strength MD	510 g	510 g	ASTM D1922
Elmendorf Tear Strength TD	140 g	140 g	ASTM D1922
Dart Drop Test	160 g	0.353 lb	ASTM D1709A
Film Tensile Strength at Break, MD	25.5 MPa	3700 psi	ASTM D882
Film Tensile Strength at Break, TD	22.1 MPa	3200 psi	ASTM D882
1% Secant Modulus, MD	234 MPa	34000 psi	ASTM D882
1% Secant Modulus, TD	290 MPa	42000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 235 °C	<= 455 °F	Peak Melting Point; ExxonMobil

Thermal Properties	Metric	English	method Comments
Optical Properties	Metric	English	Comments
Haze	9.6 %	9.6 %	ASTM D1003
Gloss	57 %	57 %	45°; ASTM D2457

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