Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ LD 12015.48

Low Density Polyethylene

Product Description

ExxonMobil™ LD 12015.48 is an LDPE extrusion coating grade, especially designed for high speed, lightweight extrusion coating applications providing: - high speed processability - good heat sealing properties LD 12015.48 offers an excellent coating on non-woven substrates. Its high melt-index combined with low density gives this grade the right balance between : - Adhesion onto non-wovens - Flexibility after coating

General

Availability [1]	▪ Latin America	▪ North America	
Additive	▪ LD 12015.48: Antiblock: No; Slip: No; Thermal Stabilizer: No		
Applications	▪ Coextrusion Coating ▪ Demanding Heat Seals ▪ Document Plastification	▪ Extrusion Coating ▪ Extrusion Lamination ▪ Food Packaging	▪ High Speed, Thin Weight Coatings ▪ Non-Woven Coating ▪ Thermal Lamination
Form(s)	▪ Pellets		
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.915	g/cm³	0.915	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	12	g/10 min	12	g/10 min	ASTM D1238
Peak Melting Temperature	219	°F	104	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	183	°F	84	°C	ASTM D1525

Coating Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Draw Down (Constant output at 35 rpm)	240	m/min	240	m/min	ExxonMobil Method
Neck-in					ExxonMobil Method
164 ft/min (50 m/min), Constant output at 35 rpm	1.6	in	4.1	cm	
328 ft/min (100 m/min), Constant output at 35 rpm	1.4	in	3.6	cm	

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Typical values obtained on a pilot co-extrusion line at ExxonMobil Chemical Europe Technical Center at an air gap of 170 mm (6.7 in).

Notes

Typical properties: these are not to be construed as specifications.

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene