ExxonMobil™ LDPE LD 251

Low Density Polyethylene Resin

Product Description

LD 251 is a standard LDPE extrusion coating grade, offering low neck-in, excellent heat sealability (i.e. high seal speeds and/or low seal temperatures mostly required in high speed form-fill and seal applications) and good organoleptic properties (low odor and off-taste).

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Coextrusion Coating ▪ Demanding Heat Seals ▪ Extrusion Coating	▪ Extrusion Lamination ▪ Food Packaging ▪ Liquid Packaging	▪ Non-Woven Coating ▪ Photographic Paper
Revision Date	▪ 04/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.916	g/cm³	0.916	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238
Peak Melting Temperature	219	°F	104	°C	ExxonMobil Method

Coating Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Draw Down					ExxonMobil Method
Constant output at 35 rpm, 599°F (315°C)	230	m/min	230	m/min	
Neck-in					ExxonMobil Method
164 ft/min (50 m/min), Constant output at 35 rpm, 599°F (315°C)	1.6	in	4.0	cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 599°F (315°C)	1.5	in	3.8	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.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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