

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) - 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	▪ 05/01/2014		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.916 g/cm ³	0.916 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Peak Melting Temperature	221 °F	105 °C	ExxonMobil Method

Coating Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Draw Down Constant output at 35 rpm, 599°F (315°C)	240 m/min	240 m/min	ExxonMobil Method
Neck-in 164 ft/min (50 m/min), Constant output at 35 rpm, 599°F (315°C)	1.6 in	4.0 cm	ExxonMobil Method
328 ft/min (100 m/min), Constant output at 35 rpm, 599°F (315°C)	1.5 in	3.7 cm	

Legal Statement

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

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

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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