

ExxonMobil LDPE

LD 200.48

Extrusion Coating Resin

Description

LD 200.48 is a general purpose LDPE extrusion coating grade, designed for flexible packaging applications.

It offers

- Low neck-in
- Very good adhesion
- Excellent heat sealability (i.e. high seal speeds and /or low heat seal temperatures mostly required in high speed form-fill-and-seal applications)

Applications

- General extrusion coating, extrusion lamination, co-extrusion coating, tandem extrusion coating.
- Extrusion coating applications, which are made at very low line speeds and demand thick coatings (requiring a very low neck-in).
- Coating on different substrates like paper, aluminum foil, flexible films (cellulose, polyamide, polyester,...).
- Excellent blend partner for linear polymers.
- Food packaging
- Photographic paper

Additive Package	Antiblock	Slip	Thermal Stabilizer
LD 200.48	No	No	No

Resin Properties	Test Based On	Typical Value / Unit	
Melt Index	ExxonMobil Method	7.5 g/10 min	
Density	ExxonMobil Method	0.915 g/cm ³	
Peak Melting Temperature	ExxonMobil Method	104°C	219°F
Vicat Softening Point	ASTM D1525	85°C	185°F

Coating Properties¹

Neck-in at 50 m/min (164 ft/min) (Constant output at 35 rpm, 295°C, 563°F)	ExxonMobil Method	3.5 cm	1.4 in
Neck-in at 100 m/min (328 ft/min) (Constant output at 35 rpm, 295°C, 563°F)	ExxonMobil Method	3.2 cm	1.3 in
Draw Down (Constant output at 35 rpm, 295°C, 563°F)	ExxonMobil Method	110 m/min	360 ft/min
Draw Down (Constant output at 65 rpm, 295°C, 563°F)	ExxonMobil Method	145 m/min	475 ft/min

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

LD 200.48 can - in principle - be used in food contact applications in various EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

Revised January 2005