

ExxonMobil™ LDPE LD 252

Low Density Polyethylene Resin

Product Description

LD 252 is a high purity extrusion coating grade designed to meet environmental needs for reduced fume emissions during plastics conversion (up to 20% reduction versus standard LDPE). This grade offers low volatiles level, excellent neck-in/draw down balance, outstanding barrier characteristics, especially with water vapor when used in portion packaging applications and good organoleptic properties.

General

| | | | |
|---------------------------|------------------------|------------------------|--------------------------|
| Availability ¹ | ▪ Africa & Middle East | ▪ Europe | |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: No |
| Applications | ▪ Coextrusion Coating | ▪ Extrusion Lamination | ▪ Industrial Packaging |
| | ▪ Extrusion Coating | ▪ Food Packaging | ▪ Liquid Packaging |
| Revision Date | ▪ 04/01/2018 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.923 g/cm ³ | 0.923 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 3.8 g/10 min | 3.8 g/10 min | ASTM D1238 |
| Peak Melting Temperature | 226 °F | 108 °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) | 280 m/min | 280 m/min | |
| Neck-in | | | ExxonMobil Method |
| 164 ft/min (50 m/min), Constant output at 35 rpm, 599°F (315°C) | 1.9 in | 4.8 cm | |
| 328 ft/min (100 m/min), Constant output at 35 rpm, 599°F (315°C) | 1.7 in | 4.3 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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