

ExxonMobil™ LDPE LD 201.48

Low Density Polyethylene Resin

Product Description

LD 201.48 is an LDPE extrusion coating grade, designed to have excellent processability combined with heat sealability and adhesion. It offers - Excellent neck-in/draw down balance, resulting in low edge trim i.e. less waste and high processing line speed. - Good barrier to water vapor, e.g. for applications in portion packaging (sugar, salt)

General

| | | |
|---------------------------|--|---|
| Availability ¹ | ▪ Latin America | ▪ North America |
| Additive | ▪ LD 201.48: Antiblock: No; Slip: No; Thermal Stabilizer: No | |
| Applications | ▪ Coextrusion Coating ▪ Extrusion Coating ▪ Extrusion Lamination | ▪ Foams ▪ Food Packaging ▪ Industrial Packaging ▪ Liquid Packaging |
| Form(s) | ▪ Pellets | |
| Revision Date | ▪ 03/01/2010 | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.921 g/cm ³ | 0.921 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 4.2 g/10 min | 4.2 g/10 min | ASTM D1238 |
| Peak Melting Temperature | 228 °F | 109 °C | ExxonMobil Method |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 203 °F | 95 °C | ASTM D1525 |

| Coating Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|--------------------|-------------------|
| Draw Down (Constant output at 35 rpm) | 200 m/min | 200 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 | 1.5 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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