

ExxonMobil™ LDPE LD 654

Low Density Polyethylene Resin

Product Description

ExxonMobil™ LD 654 resin is a very high flow LDPE grade with very good flexibility. It can be added to low-flowing LDPE grades to improve their processability.

General

| | | | |
|---------------------------|--|--------------------------------------|--------------------------|
| Availability ¹ | ▪ Africa & Middle East | ▪ Asia Pacific | ▪ Europe |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: No |
| Applications | ▪ Artificial Flowers ▪ Carpet Backing | ▪ Compounding ▪ Injection Molding | ▪ Masterbatch Base Resin |
| Form(s) | ▪ Pellets | | |
| Revision Date | ▪ 10/01/2018 | | |

Resin Properties

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|-------------------------|-------------------|
| Density | 0.913 g/cm ³ | 0.913 g/cm ³ | ASTM D1505 |
| Melt Index ² (190°C/2.16 kg) | 70 g/10 min | 70 g/10 min | ASTM D1238 |
| Peak Melting Temperature | 212 °F | 100 °C | ExxonMobil Method |

Thermal

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 167 °F | 75 °C | ISO 306 |

Molded Properties

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------------|-------------------------|--------------------|-----------------|
| Tensile Modulus | 16000 psi | 110 MPa | ISO 527-1/1A/1 |
| Tensile Stress (100% Strain) | 1030 psi | 7.1 MPa | ISO 527-2/1A/50 |
| Tensile Strain at Break | 380 % | 380 % | ISO 527-2/1A/50 |
| Shore Hardness (Shore D, 15 sec) | 40 | 40 | ISO 868 |

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

The molded properties have been measured on 4 mm (157.5 mil) thick injection molded specimen, based on ISO 1872-2

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.

² Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D 1238.

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

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