ExxonMobil™ LDPE LD 654

Low Density Polyethylene Resin

Product Description

LD 654 is a very high flow LDPE grade with a 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
Revision Date	▪ 01/01/2017		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.913	g/cm³	0.913	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	70	g/10 min	70	g/10 min	ASTM D1238
Peak Melting Temperature	216	°F	102	°C	ExxonMobil Method

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Vicat Softening Temperature	166	°F	75	°C	ISO 306

Molded Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Modulus	12000	psi	84	MPa	ISO 527-2/1A/1
Tensile Stress (100% Strain)	1050	psi	7.3	MPa	ISO 527-2/1A/50
Tensile Strain at Break	> 100	%	> 100	%	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	39		39		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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