ExxonMobil™ LDPE LD 653

Low Density Polyethylene Resin

Product Description

ExxonMobil™ LD 653 resin is an easy flowing LDPE grade with medium stiffness and toughness.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Caps ▪ Closures ▪ Compounding	▪ Food Packaging Containers ▪ Houseware Articles ▪ Injection Molding	▪ Masterbatch Base Resin ▪ Tough Medium Sized Molding ▪ Toys
Form(s)	▪ Pellets		
Revision Date	▪ 10/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.924	g/cm³	0.924	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	22	g/10 min	22	g/10 min	ASTM D1238
Peak Melting Temperature	226	°F	108	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	194	°F	90	°C	ISO 306

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Modulus	28000	psi	200	MPa	ISO 527-2/1A/1
Tensile Stress (100% Strain)	1360	psi	9.4	MPa	ISO 527-2/1A/50
Tensile Strain at Break	170	%	170	%	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	46		46		ISO 868

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

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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