ExxonMobil™ LDPE LD 650

Low Density Polyethylene Resin

Product Description

LD650 is an easy flowing LDPE grade with a good flexibility and excellent toughness.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Caps ▪ Closures ▪ Compounding	▪ Food Packaging Containers ▪ Houseware Articles ▪ Injection Molding	▪ Masterbatch Base Resin ▪ Toys ▪ Viscosity Modifier
Revision Date	▪ 01/01/2017		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.914	g/cm³	0.914	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	217	°F	103	°C	ExxonMobil Method

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Vicat Softening Temperature	174	°F	79	°C	ISO 306

Molded Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Modulus	14000	psi	96	MPa	ISO 527-2/1A/1
Tensile Stress (100% Strain)	1200	psi	8.3	MPa	ISO 527-2/1A/50
Tensile Strain at Break	> 100	%	> 100	%	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	41		41		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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