

ExxonMobil™ LDPE

LD 653

Product Description

LD 653 is an easy flowing LDPE grade with medium stiffness and good toughness.

General

Availability ¹	• Africa & Middle East	• Europe	
Additive	• Antiblock: No	• Heat Stabilizer: No	• Slip: No
Revision Date	• 6/2006		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Index ²	22	22	ExxonMobil Method
Density	0.924 g/cm ³	0.924 g/cm ³	ExxonMobil Method
Peak Melting Temperature	228 °F	109 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	196 °F	91.0 °C	ISO 306

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	29000 psi	200 MPa	ISO 527-1, -2/1
Tensile Stress (Break)	1310 psi	9.00 MPa	ISO 527-1, -2/50
Tensile Strain (Break)	120 %	120 %	ISO 527-1, -2/50
Shore Hardness (Shore A)	44	44	ISO 868

Additional Properties

- Applications
- tough medium sized moldings
 - caps
 - bottle closures
 - Toys
 - houseware

Processing Statement

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

Foodlaw & Medical Use Statement

LD 653 can - in principle - be used in food contact applications in various EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

ExxonMobil Polyethylene is not intended for use in medical applications.

Notes

¹ Product may not be available in one or more countries in the identified Availability regions. 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.

Typical properties: these are not to be construed as specifications.

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