ExxonMobil™ LDPE LD 653

Low Density Polyethylene Resin

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	• Slip: No	• Thermal Stabilizer: No
Applications	• Caps • Closures • Compounding	• Food Packaging Containers • Houseware Articles • Injection Molding	• Masterbatch Base Resin • Tough Medium Sized Molding • Toys
Revision Date	• 6/2006		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.924 g/cm³	0.924 g/cm³	ExxonMobil Method
Melt Index [2]	22 g/10 min	22 g/10 min	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 527-2/1A/1
Tensile Stress at Break	1310 psi	9.00 MPa	ISO 527-2/1A/50
Tensile Strain at Break	120 %	120 %	ISO 527-2/1A/50
Shore Hardness (Shore D)	44	44	ISO 868

Legal 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.

Processing Statement

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

Notes

[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.

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

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