

ExxonMobil™ LDPE LD 605BA

Low Density Polyethylene Resin

Product Description

LD 605BA is a general purpose LDPE grade, characterized by good stiffness and good toughness. It's easy processable.

General

Additive	• Antiblock: No	• Slip: No	• Thermal Stabilizer: No
Applications	• Compounding • Food packaging	• Houseware Articles • Injection Molding	• Masterbatch Base Resin • Rigid Medium Sized Molding

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.924 g/cm ³	0.924 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	6.5 g/10 min	6.5 g/10 min	ASTM D1238
Peak Melting Temperature	232 °F	111 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	199 °F	93.0 °C	ISO 306

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	31900 psi	220 MPa	ISO 527-2/1A/1
Tensile Stress at Break	1450 psi	10.0 MPa	ISO 527-2/1A/50
Tensile Strain at Break	120 %	120 %	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	46	46	ISO 868

Processing Statement

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

Legal Statement

LD 605BA 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.