Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ LD 21024.BA

Low Density Polyethylene

Product Description

ExxonMobil™ LD 21024.BA resin is a high flow LDPE grade characterized by high stiffness, good toughness and good processability.

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 ▪ Technical Parts	▪ Toys ▪ Viscosity Modifier
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 (190°C/2.16 kg)	21	g/10 min	21	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	27000	psi	190	MPa	ISO 527-1/1A/1
Tensile Stress (100% Strain)	1360	psi	9.4	MPa	ISO 527-2/1A/50
Tensile Strain at Break	250	%	250	%	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	45		45		ISO 868

Legal Statement

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

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

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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene