Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ LD 3823.BA

Low Density Polyethylene

Product Description

ExxonMobil™ LD 3823.BA is a high purity extrusion coating grade designed to meet environmental needs for reduced fume emissions during plastics conversion (up to 20% reduction versus standard LDPE). This grade offerslow volatiles level, excellent neck-in/draw down balance, outstanding barrier characteristics, especially with water vapor when used in portion packaging applications and good organoleptic properties.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Coextrusion Coating ▪ Extrusion Coating	▪ Extrusion Lamination ▪ Food Packaging	▪ Industrial Packaging ▪ Liquid Packaging
Revision Date	▪ 04/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.923	g/cm³	0.923	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	3.8	g/10 min	3.8	g/10 min	ASTM D1238
Peak Melting Temperature	226	°F	108	°C	ExxonMobil Method

Coating Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Draw Down					ExxonMobil Method
Constant output at 35 rpm, 599°F (315°C)	280	m/min	280	m/min	
Neck-in					ExxonMobil Method
164 ft/min (50 m/min), Constant output at 35 rpm, 599°F (315°C)	1.9	in	4.8	cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 599°F (315°C)	1.7	in	4.3	cm	

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

Typical values obtained on a pilot co-extrusion line at ExxonMobil Chemical Europe Technical Center at an air gap of 170 mm (6.7 in).

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