Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ LD 5016.BA

Low Density Polyethylene

Product Description

ExxonMobil™ LD 5016.BA is an LDPE extrusion coating grade, especially designed for low speed extrusion coating applications providing very low neck-in characteristics, good heat sealing properties and good organoleptic properties.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Coextrusion Coating ▪ Demanding Heat Seals	▪ Extrusion Coating ▪ Extrusion Lamination	▪ Food Packaging ▪ Low Neck In, Low Line Speed Coatings
Revision Date	▪ 04/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.916	g/cm³	0.916	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	5.0	g/10 min	5.0	g/10 min	ASTM D1238
Peak Melting Temperature	219	°F	104	°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)	130	m/min	130	m/min	
Neck-in					ExxonMobil Method
82 ft/min (25 m/min), Constant output at 35 rpm, 599°F (315°C)	0.98	in	2.5	cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 599°F (315°C)	1.2	in	3.1	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