ExxonMobil Signature Polymers

ExxonMobil™ LD 4221.BA

(Legacy name: ExxonMobil™ LDPE LD 201.48)

Low Density Polyethylene

Product Description

ExxonMobil™ LD 4221.BA is an LDPE extrusion coating grade, designed to have excellent processabiltity combined with heat sealability and adhesion. It offers -Excellent neck-in/draw down balance, resulting in low edge trim i.e. less waste and high processing line speed. - Good barrier to water vapor, e.g. for applications in portion packaging (sugar, salt)

General

Availability [1]	▪ Latin America	▪ North America	
Additive	▪ LD 4221.BA: Antiblock: No; Slip: No; Thermal Stabilizer: No		
Applications	▪ Coextrusion Coating ▪ Extrusion Coating ▪ Extrusion Lamination	▪ Foams ▪ Food Packaging ▪ Industrial Packaging	▪ Liquid Packaging
Form(s)	▪ Pellets		
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.921	g/cm³	0.921	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	4.2	g/10 min	4.2	g/10 min	ASTM D1238
Peak Melting Temperature	228	°F	109	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	203	°F	95	°C	ASTM D1525

Coating Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Draw Down (Constant output at 35 rpm)	200	m/min	200	m/min	ExxonMobil Method
Neck-in					ExxonMobil Method
164 ft/min (50 m/min), Constant output at 35 rpm	1.6	in	4.1	cm	
328 ft/min (100 m/min), Constant output at 35 rpm	1.5	in	3.8	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.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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