Product Datasheet

ExxonMobil™ LD 05529.BA

Low Density Polyethylene

Product Description

ExxonMobil™ LD 05529.BA is an LDPE grade, which offers good film rigidity combined with very good optical properties.

General

Availability [1]	▪ Asia Pacific	▪ Europe	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Blend Partner ▪ Co-Extrusion Films	▪ Lamination Film ▪ Medium Duty Shrink Film	
Revision Date	▪ 06/01/2013		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.929	g/cm³	0.929	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.55	g/10 min	0.55	g/10 min	ASTM D1238
Peak Melting Temperature	237	°F	114	°C	ExxonMobil Method

Film Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield MD	1900	psi	13	MPa	ASTM D882
Tensile Strength at Yield TD	1900	psi	13	MPa	ASTM D882
Tensile Strength at Break MD	4500	psi	31	MPa	ASTM D882
Tensile Strength at Break TD	3900	psi	27	MPa	ASTM D882
Elongation at Break MD	460	%	460	%	ASTM D882
Elongation at Break TD	610	%	610	%	ASTM D882
Secant Modulus MD - 1% Secant	41000	psi	280	MPa	ASTM D882
Secant Modulus TD - 1% Secant	46000	psi	320	MPa	ASTM D882
Dart Drop Impact	120	g	120	g	ASTM D1709A
Elmendorf Tear Strength MD	200	g	200	g	ASTM D1922
Elmendorf Tear Strength TD	260	g	260	g	ASTM D1922

Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Gloss (45°)	69		69		ASTM D2457
Haze	6.0	%	6.0	%	ASTM D1003

Legal Statement

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

Processing Statement

The film properties have been measured on a 50 µm (1.97 mil) thick film (Blow-up ratio : 2.5)

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