ExxonMobil

Nexxstar™ LDPE-00328

Low Density Polyethylene Resin

Product Description

Nexxstar 00328 is an LDPE grade, which offers good film rigidity combined with very good optical properties.

General

Availability [1]	▪ Latin America	▪ North America	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Revision Date	▪ 09/01/2012		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.928	g/cm³	0.928	g/cm³	ExxonMobil Method
Melt Index [2]	0.35	g/10 min	0.35	g/10 min	ExxonMobil Method
Peak Melting Temperature	239	°F	115	°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	4400	psi	30	MPa	ASTM D882
Tensile Strength at Break TD	4100	psi	28	MPa	ASTM D882
Elongation at Break MD	450	%	450	%	ASTM D882
Elongation at Break TD	600	%	600	%	ASTM D882
Secant Modulus MD - 1% Secant	38000	psi	260	MPa	ASTM D882
Secant Modulus TD - 1% Secant	41000	psi	280	MPa	ASTM D882
Dart Drop Impact	130	g	130	g	ASTM D1709A
Elmendorf Tear Strength MD	200	g	200	g	ASTM D1922
Elmendorf Tear Strength TD	300	g	300	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	68		68		ASTM D2457
Haze	6.0	%	6.0	%	ASTM D1003

Additional Information

Applications: Nexxstar™ Resin Formulations for high performance collation shrink packaging

Legal Statement

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

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

Processing Statement

The test specimen were prepared on a 50 µm (1.97 mil) thick film, using a 200 mm (7.9 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratio of 2.5 and temperature profile of 145 - 190°C (293 - 374°F).

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.

[2] Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D 1238.

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

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