

Exact™ 3128A

Ethylene-based Plastomer Resin

Product Description

Exact™ 3128A is an ethylene-based butene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. It is designed for both monolayer and multilayer coextruded blown film applications requiring excellent toughness and good heat sealing performance. TnPP is not intentionally added to Exact™ 3128A resin.

General

Availability ¹	- Latin America - North America
Additive	- Antiblock: No - Slip: No - Thermal Stabilizer: Yes
Applications	- Blown Film - Lamination Film - Cheese Packaging - Meat Packaging - Poultry Bag
Form(s)	Pellets
Revision Date	10/23/2019

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.900 g/cm ³	0.900 g/cm ³	ASTM D1505
Melt Index ² (190°C/2.16 kg)	1.3 g/10 min	1.3 g/10 min	ASTM D1238
Peak Melting Temperature	196 °F	91 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	177 °F	80.6 °C	ExxonMobil Method
Crystallization Peak, T _c	163 °F	73 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	680 psi	4.7 MPa	ASTM D882
Tensile Strength at Yield TD	640 psi	4.4 MPa	ASTM D882
Tensile Strength at Break MD	8100 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	7300 psi	50 MPa	ASTM D882
Elongation at Break MD	560 %	560 %	ASTM D882
Elongation at Break TD	730 %	730 %	ASTM D882
Secant Modulus MD	8500 psi	59 MPa	ASTM D882
Secant Modulus TD	9600 psi	66 MPa	ASTM D882
Dart Drop Impact	730 g	730 g	ASTM D1709A
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	250 g	250 g	ASTM D1922
Puncture Force	16 lbf	73 N	ExxonMobil Method
Puncture Energy	63 in-lb	7.1 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	69	69	ASTM D2457
Haze	4.9 %	4.9 %	ASTM D1003

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.

Tris(nonylphenol)phosphite (TNPP) CAS# 26523-78-4 is not intentionally used by ExxonMobil in this product. Although this product is not routinely tested for its presence, based on product composition knowledge this substance is not expected to be present. However, the fact that this substance is not intentionally used by ExxonMobil in this product does not exclude that trace levels of this substance may be present as a result of the specific characteristics of the raw materials and/or of the manufacturing process.

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Processing Statement

Film (1.25 mil/31.7 micron) made on a 2.5 inch blown film line having a 6 inch die with a 60 mil die gap at a 2.5:1 blow-up ratio and melt temperature of 375–395°F (191–202°C).

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.

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

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