

Exxtra™ Seal POP 1300

Ethylene-based Plastomer

Product Description

Exxtra™ Seal POP 13 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.

General

Availability ¹	<ul style="list-style-type: none"> Latin America North America
Additive	<ul style="list-style-type: none"> Antiblock: No Slip: No Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> Blown Film Lamination Film Cheese Packaging Meat Packaging Poultry Bag
Form(s)	<ul style="list-style-type: none"> Pellets
Revision Date	<ul style="list-style-type: none"> 01/01/2017

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.

Processing Statement

Film (1.25 mil/31.7 micron) made from Exxtra™ Seal POP 1300 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).

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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: [Contact Us](#)

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