ExxonMobil Signature Polymers

Exxtra™ Seal POP 1200.F

(Legacy name: Exact™ 3132F)

Ethylene-based Plastomer

Product Description

Exxtra™ Seal POP 1200.F resin is an ethylene-based hexene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. It is designed for use in both monolayer and multilayer blown film applications requiring outstanding sealability and toughness. TnPP is not intentionally added to Exxtra™ Seal POP 1200.F resin.

General

Availability [1]	▪ Latin America	▪ North America	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Blown Film		
Form(s)	▪ Pellets		
Revision Date	▪ 09/11/2017		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.900	g/cm³	0.900	g/cm³	ExxonMobil Method
Melt Index [2]	1.2	g/10 min	1.2	g/10 min	ExxonMobil Method
Peak Melting Temperature	202	°F	94	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	183	°F	83.9	°C	ExxonMobil Method
Crystallization Peak, Tc	169	°F	76	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield MD	580	psi	4.0	MPa	ASTM D882
Tensile Strength at Yield TD	560	psi	3.9	MPa	ASTM D882
Tensile Strength at Break MD	9800	psi	70	MPa	ASTM D882
Tensile Strength at Break TD	8900	psi	60	MPa	ASTM D882
Elongation at Break MD	520	%	520	%	ASTM D882
Elongation at Break TD	650	%	650	%	ASTM D882
Secant Modulus MD	9500	psi	65	MPa	ASTM D882
Secant Modulus TD	10000	psi	70	MPa	ASTM D882
Dart Drop Impact	1200	g	1200	g	ASTM D1709A
Elmendorf Tear Strength MD	210	g	210	g	ASTM D1922
Elmendorf Tear Strength TD	320	g	320	g	ASTM D1922
Puncture Force	17	lbf	76	N	ExxonMobil Method
Puncture Energy	60	in·lb	6.8	J	ExxonMobil Method

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	79		79		ASTM D2457
Haze	2.1	%	2.1	%	ASTM D1003

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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.

Processing Statement

Film (1.25 mil/31.7 micron) made from Exxtra™ Seal POP 1200.F 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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