Exact™ 3040 Cast

Ethylene-based Plastomer Resin

Product Description

Exact™ 3040 resin is an ethylene-based hexene copolymer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. Exact™ 3040 resin is designed for monolayer and multilayer coextrude cast film, extrusion coating, and extrusion laminating applications. TnPP is not intentionally added to Exact™ 3040 resin.

General

Availability [1]	▪ Latin America	▪ North America	
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Food Packaging Seal Layers		
Form(s)	▪ Pellets		
Revision Date	▪ 01/01/2017		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.900	g/cm³	0.900	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	17	g/10 min	17	g/10 min	ASTM D1238
Peak Melting Temperature	204	°F	96	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	168	°F	75.7	°C	ExxonMobil Method
Crystallization Peak, Tc	177	°F	81	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield MD	640	psi	4.4	MPa	ASTM D882
Tensile Strength at Yield TD	600	psi	4.2	MPa	ASTM D882
Tensile Strength at Break MD	6500	psi	45	MPa	ASTM D882
Tensile Strength at Break TD	6000	psi	42	MPa	ASTM D882
Elongation at Break MD	650	%	650	%	ASTM D882
Elongation at Break TD	760	%	760	%	ASTM D882
Secant Modulus MD	9300	psi	64	MPa	ASTM D882
Secant Modulus TD	9700	psi	67	MPa	ASTM D882
Dart Drop Impact	120	g	120	g	ASTM D1709A
Elmendorf Tear Strength MD	350	g	350	g	ASTM D1922
Elmendorf Tear Strength TD	450	g	450	g	ASTM D1922
Puncture Force	9	lbf	38	N	ExxonMobil Method
Puncture Energy	33	in·lb	3.7	J	ExxonMobil Method

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	85		85		ASTM D2457
Haze	0.8	%	0.8	%	ASTM D1003

Legal Statement

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.

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

Exact™ 3040 Cast
Ethylene-based Plastomer Resin

Processing Statement

Film (1 mil / 25.4 micron) made from Exact 3040 on a 3.5 inch cast film line with a 5 inch melt curtain, 80°F (27°C) chill roll temperature at a 500 ft/min take-off speed and a melt temperature between 430-444°F (221-229°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

exxonmobilchemical.com