ExxonMobil Signature Polymers

Exxtra™ Seal POP 2008.RK

(Legacy name: Exact™ 3237RK)

Ethylene-based Plastomer

Product Description

Exxtra™ Seal POP 2008.RK is an ethylene 1-hexene plastomer designed for use in both monolayer and multilayer film applications. Films made from Exxtra™ Seal POP 2008.RK have a much lower seal initiation temperature than the density suggests along with high toughness, high stiffness and low COF on hot metal surfaces. The overall combination of properties contributes to enhanced packaging line speeds. Fluoropolymers, or fluorine-containing compounds, and TNPP are not intentionally added to Exxtra™ Seal POP 2008.RK.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Additive	▪ Antiblock: 5000 ppm ▪ Slip: 1000 ppm	▪ Thermal Stabilizer: Yes ▪ Alternative Processing Aid: Yes	
Applications	▪ Barrier Food Packaging ▪ Blown Film	▪ Food Packaging ▪ Freezer Film	▪ Lamination Film ▪ Multilayer Packaging Film
Form(s)	▪ Pellets		
Revision Date	▪ 04/19/2024		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density / Specific Gravity	0.908	g/cm³	0.908	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	2.0	g/10 min	2.0	g/10 min	ASTM D1238
Peak Melting Temperature	237	°F	114	°C	ExxonMobil Method

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Vicat Softening Temperature	194	°F	90	°C	ASTM D1525

Film Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield MD	860	psi	5.9	MPa	ASTM D882
Tensile Strength at Yield TD	790	psi	5.4	MPa	ASTM D882
Tensile Strength at Break MD	8600	psi	60	MPa	ASTM D882
Tensile Strength at Break TD	8200	psi	60	MPa	ASTM D882
Elongation at Break MD	480	%	480	%	ASTM D882
Elongation at Break TD	570	%	570	%	ASTM D882
Secant Modulus MD - 1% Secant	13000	psi	87	MPa	ASTM D882
Secant Modulus TD - 1% Secant	13000	psi	90	MPa	ASTM D882
Dart Drop Impact	800	g	800	g	ASTM D1709A
Elmendorf Tear Strength MD	210	g	210	g	ASTM D1922
Elmendorf Tear Strength TD	280	g	280	g	ASTM D1922
Puncture Force	13	lbf	57	N	ExxonMobil Method
Puncture Energy	56	in·lb	6.3	J	ExxonMobil Method

Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Gloss (45°)	35		35		ASTM D2457
Haze	18	%	18	%	ASTM D1003

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Legal Statement

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

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

Film (1 mil/25.4 micron) made on a 2.6 inch (65mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 400-420°F (204-216°C), a 60mil (1.52 mm) die gap at a rate of 10 lbs/hr/in die circumference (1.79kg/hr/cm).

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.

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

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