

Exxtra™ Seal POP 5008.PA

Metallocene Polyethylene

Product Description

Exxtra™ Seal POP 5008.PA is an ethylene 1-hexene plastomer intended for use in both blown and cast film applications. Films made from Exxtra™ Seal POP 5008.PA have a much lower seal initiation temperature than the density suggests along with high toughness and high stiffness. Exxtra™ Seal POP 5008.PA is designed to provide an overall combination of properties which contributes to enhanced packaging line speeds and improved hermeticity. Fluoropolymers, or fluorine-containing compounds, and TnPP are not intentionally added to Exxtra™ Seal POP 5008.PA

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific 	<ul style="list-style-type: none"> Europe Latin America 	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> Antiblock: No Slip: No 	<ul style="list-style-type: none"> Processing Aid: No Thermal Stabilizer: Yes 	
Applications	<ul style="list-style-type: none"> Cast Film Cast Stretch Film 	<ul style="list-style-type: none"> Lamination Film Multilayer Packaging Film 	<ul style="list-style-type: none"> Seal Packaging
Form(s)	<ul style="list-style-type: none"> Pellets 		
Revision Date	<ul style="list-style-type: none"> 04/22/2025 		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density / Specific Gravity	0.908 g/cm ³	0.908 g/cm ³	ASTM D792
Melt Index ² (190°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	189 °F	87 °C	ASTM D1525
Peak Melting Temperature	230 °F	110 °C	ASTM D3418

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	770 psi	5.3 MPa	ASTM D882
Tensile Strength at Yield TD	680 psi	4.7 MPa	ASTM D882
Tensile Strength at Break MD	9500 psi	70 MPa	ASTM D882
Tensile Strength at Break TD	6600 psi	45 MPa	ASTM D882
Elongation at Break MD	510 %	510 %	ASTM D882
Elongation at Break TD	650 %	650 %	ASTM D882
Secant Modulus MD - 1% Secant	11000 psi	79 MPa	ASTM D882
Secant Modulus TD - 1% Secant	12000 psi	85 MPa	ASTM D882
Dart Drop Impact	430 g	430 g	ASTM D1709A
Elmendorf Tear Strength MD	250 g	250 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922
Puncture Force	11 lbf	48 N	ExxonMobil Method
Puncture Energy	46 in-lb	5.1 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	85	85	ASTM D2457
Haze	2.9 %	2.9 %	ASTM D1003

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).

Exxtra™ Seal POP 5008.PA Metallocene Polyethylene

Processing Statement

Film (0.8 mil/20 micron) made from Exxtra™ Seal POP 5008.PA on a 7-layer cast film line with 2 extruders (1 ext. of 2 inch diameter, 1 ext. of 75mm diameter), melt temperatures between 520 - 522°F (271 - 272 °C), a chill roll temperature of 80°F (27°C), and 750 fpm (229 m/min) line speed.

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 D1238.

For additional technical, sales and order assistance: [Contact Us](#)

©2025 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com