

Exxtra™ Seal POP 1300

(Legacy name: Exact™ 3128)

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 Poultry Bag Cheese Packaging Meat Packaging |
| 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).

Exxtra™ Seal POP 1300
Ethylene-based Plastomer**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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