ExxonMobil Signature Polymers

# Exxtra™ Seal POP 2295.A Cast

*(Legacy name: Exact™ 4151A Cast)*

## Ethylene-based Plastomer

### Product Description

Exxtra™ Seal POP 2295.A is an ethylene-based hexene plastomer produced using ExxonMobil Chemical's EXXPOL® Catalyst Technology. Exxtra™ Seal POP 2295.A is designed for both monolayer and multilayer coextruded cast and blown film applications requiring low sealing temperatures, high oxygen transmission and high toughness. Typical applications include seal layers for lamination films used in meat, poultry and produce packaging. TnPP is not intentionally added to Exxtra™ Seal POP 2295.A resin.

### General

| | | | |
|---|---|---|---|
| Availability [1] | ▪ Latin America | ▪ North America | |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: Yes |
| Applications | ▪ Cast Film | ▪ Lamination Film | |
| Form(s) | ▪ Pellets | | |
| Revision Date | ▪ 10/23/2019 | | |

| Resin Properties | Typical Value | (English) | Typical Value | (SI) | Test Based On |
|---|---|---|---|---|---|
| Density | 0.895 | g/cm³ | 0.895 | g/cm³ | ASTM D1505 |
| Melt Index [2] (190°C/2.16 kg) | 2.2 | g/10 min | 2.2 | g/10 min | ASTM D1238 |
| Peak Melting Temperature | 190 | °F | 88 | °C | ExxonMobil Method |

| Thermal | Typical Value | (English) | Typical Value | (SI) | Test Based On |
|---|---|---|---|---|---|
| Vicat Softening Temperature | 168 | °F | 75.6 | °C | ExxonMobil Method |
| Crystallization Peak, Tc | 158 | °F | 70 | °C | ExxonMobil Method |

| Film Properties | Typical Value | (English) | Typical Value | (SI) | Test Based On |
|---|---|---|---|---|---|
| Tensile Strength at Yield MD | 900 | psi | 6.2 | MPa | ASTM D882 |
| Tensile Strength at Yield TD | 480 | psi | 3.3 | MPa | ASTM D882 |
| Tensile Strength at Break MD | 11000 | psi | 80 | MPa | ASTM D882 |
| Tensile Strength at Break TD | 8000 | psi | 60 | MPa | ASTM D882 |
| Elongation at Break MD | 360 | % | 360 | % | ASTM D882 |
| Elongation at Break TD | 650 | % | 650 | % | ASTM D882 |
| Secant Modulus MD | 7000 | psi | 48 | MPa | ASTM D882 |
| Secant Modulus TD | 8900 | psi | 62 | MPa | ASTM D882 |
| Dart Drop Impact | 800 | g | 800 | g | ASTM D1709A |
| Elmendorf Tear Strength MD | 110 | g | 110 | g | ASTM D1922 |
| Elmendorf Tear Strength TD | 400 | g | 400 | g | ASTM D1922 |
| Puncture Force | 17 | lbf | 77 | N | ExxonMobil Method |
| Puncture Energy | 55 | in·lb | 6.2 | J | ExxonMobil Method |

| Optical Properties | Typical Value | (English) | Typical Value | (SI) | Test Based On |
|---|---|---|---|---|---|
| Gloss (45°) | 91 | | 91 | | ASTM D2457 |
| Haze | 0.5 | % | 0.5 | % | 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.

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.

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## Processing Statement

Film (1 mil / 25.4 micron) made 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 510-530°F (266-277°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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