

Vistamaxx™ Performance Polymer 6000

Propylene Elastomer

Product Description

Vistamaxx 6000 performance polymer is a metallocene catalyzed copolymer.

Key Features

- When used as the functional layer(s) in cast stretch film, it provides enhanced ultimate stretch, improved holding force and exceptional tear propagation resistance combined with excellent processability. In demanding wrapping operations this enables improved load stability and reduced film breaks.
- These superior properties make this resin an excellent fit in thin gauge high performance cast stretch films, including power pre-stretch films.

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 |
| Applications | <ul style="list-style-type: none"> Cast Stretch Film | | |
| Uses | <ul style="list-style-type: none"> Film | <ul style="list-style-type: none"> Packaging | |
| RoHS Compliance | <ul style="list-style-type: none"> RoHS Compliant | | |
| Revision Date | <ul style="list-style-type: none"> 07/14/2020 | | |

| Physical | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.889 g/cm ³ | 0.889 g/cm ³ | ExxonMobil Method |
| Melt Index (190°C/2.16 kg) | 3.7 g/10 min | 3.7 g/10 min | ASTM D1238 |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------------|-------------------------|--------------------|-------------------|
| Peak Melting Temperature | 222 °F | 105 °C | ExxonMobil Method |
| Peak Crystallization Temperature | 148 °F | 64 °C | ExxonMobil Method |

| Films | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------------|-------------------------|--------------------|-------------------|
| Tensile Strength at Yield MD | 2200 psi | 15 MPa | ExxonMobil Method |
| Tensile Strength at Yield TD | 1900 psi | 13 MPa | ExxonMobil Method |
| Tensile Strength at Break MD | 9100 psi | 60 MPa | ExxonMobil Method |
| Tensile Strength at Break TD | 5200 psi | 36 MPa | ExxonMobil Method |
| Elongation at Break MD | 440 % | 440 % | ExxonMobil Method |
| Elongation at Break TD | 790 % | 790 % | ExxonMobil Method |
| Secant Modulus MD - 1% Secant | 42000 psi | 290 MPa | ExxonMobil Method |
| Secant Modulus TD - 1% Secant | 47000 psi | 330 MPa | ExxonMobil Method |

| Optical | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------|-------------------------|--------------------|-------------------|
| Gloss (45°) | 89 | 89 | ASTM D2457 |
| Haze | 0.4 % | 0.4 % | ExxonMobil Method |

Additional Information

Please contact Customer Service for food law compliance information.

Legal Statement

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

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Processing Statement

The film properties have been measured on a film (1 mil/25 micron) made from Vistamaxx 6000 on a Black Clawson 3.5 inch cast line at a 6.25" melt curtain length, 425 °F melt temperature, 56 °F chill roll temperature and 180 fpm line speed. Films were aged at 77°F for 40 hours before lab aging and testing.

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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