

Vistamaxx™ 6502

Performance Polymer

Product Description

Vistamaxx 6502 is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology.

Key Features

- Can be blended with PE, PP and other polymers, including styrenic block copolymers.
- Excellent adhesion to conventional and metallocene PP and PE.
- Good chemical resistance to aqueous systems and non-hydrocarbon based fluids.
- RoHS compliant.

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"> • Compounding | <ul style="list-style-type: none"> • Injection Molding | <ul style="list-style-type: none"> • Polymer Modification |
| Uses | <ul style="list-style-type: none"> • Compounding | | |
| RoHS Compliance | <ul style="list-style-type: none"> • RoHS Compliant | | |
| Form(s) | <ul style="list-style-type: none"> • Pellets | | |
| Revision Date | <ul style="list-style-type: none"> • 01/01/2017 | | |

| Physical | Typical Value (English) | Typical Value (SI) | Test Based On |
|--|-------------------------|-------------------------|-------------------|
| Density ² | 0.865 g/cm ³ | 0.865 g/cm ³ | ASTM D1505 |
| Melt Index ² (190°C/2.16 kg) | 21 g/10 min | 21 g/10 min | ASTM D1238 |
| Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg) | 45 g/10 min | 45 g/10 min | ExxonMobil Method |
| Ethylene Content | 13 wt% | 13 wt% | ExxonMobil Method |

| Hardness | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|---------------|
| Durometer Hardness (Shore A) | 71 | 71 | ASTM D2240 |

| Mechanical | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------|-------------------------|--------------------|---------------|
| Tensile Stress at 100% | 402 psi | 2.77 MPa | ASTM D638 |
| Tensile Stress at 300% | 425 psi | 2.93 MPa | ASTM D638 |
| Tensile Strength at Break | > 1100 psi | > 7.58 MPa | ASTM D638 |
| Elongation at Break | > 800 % | > 800 % | ASTM D638 |
| Flexural Modulus - 1% Secant | 2960 psi | 20.4 MPa | ASTM D790 |

| Elastomers | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------|-------------------------|--------------------|---------------|
| Tear Strength (Die C) | 232 lbf/in | 40.6 kN/m | ASTM D624 |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|-------------------|
| Vicat Softening Temperature | 41.3 °F | 5.14 °C | ExxonMobil Method |

Additional Information

In accordance with FDA Food Contact Notification (FCN) 936, this product may be used as articles or component of articles used in contact with all food types under Conditions of Use C through G, as described in Table 2 of 21 CFR 176.170(c).

The base resin in this product is listed in the Chinese Positive List for allowed resins in food packaging materials (issued by China MoH, 11 Oct 2011) and additives that may be present in this product are authorized according to the National Standard of People's Republic of China GB9685-2008, Hygienic Standards for Uses of Additives in Food Containers and Packaging Materials.

EU Note: The composition of this product complies with the requirements for use in contact with food of EU Regulation 10/2011.

Please contact Customer Service for the official food law certificates which provide more detailed information.

Vistamaxx™ 6502
Performance Polymer**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.

Processing Statement

Vistamaxx polymers have a wide temperature processing window. A good starting point for temperatures is 10°C above the highest melting point. This material does not require drying and can be compounded or used in a dry blend. Use conventional processing knowledge to ensure mixing of the materials.

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 Property specified in conventional unit of measure.

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

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