ExxonMobil Signature Polymers

# Vistamaxx™ Performance Polymer 6902

## Propylene Elastomer

### Product Description

Vistamaxx™ 6902 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.
- Enhanced flow characteristics while maintaining elasticity.
- RoHS compliant.

### General

| | | | |
|---|---|---|---|
| Availability [1] | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Applications | • Compounding | • Hot Melt Adhesives | • Polymer Modification |
| Uses | • Adhesives | • Compounding | |
| RoHS Compliance | • RoHS Compliant | | |
| Form(s) | • Pellets | | |
| Revision Date | • 02/28/2022 | | |

| Physical | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Density [2] (73°F (23°C)) | 0.869 | g/cm³ | 0.869 | g/cm³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 43 | g/10 min | 43 | g/10 min | ExxonMobil Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 100 | g/10 min | 100 | g/10 min | ExxonMobil Method |
| Ethylene Content | 12 | wt% | 12 | wt% | ExxonMobil Method |

| Hardness | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Durometer Hardness (Shore A) | 76 | | 76 | | ExxonMobil Method |

| Mechanical | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Tensile Stress at 100% | 490 | psi | 3.4 | MPa | ExxonMobil Method |
| Tensile Stress at 300% | 520 | psi | 3.6 | MPa | ExxonMobil Method |
| Tensile Strength at Break | > 1100 | psi | > 7.6 | MPa | ExxonMobil Method |
| Elongation at Break | > 900 | % | > 900 | % | ExxonMobil Method |
| Flexural Modulus - 1% Secant | 5300 | psi | 37 | MPa | ASTM D790B |

| Elastomers | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Tear Strength (Die C) | 260 | lbf/in | 45.5 | kN/m | ExxonMobil Method |

| Thermal | Typical Value (English) | | Typical Value (SI) | | Test Based On |
|---|---|---|---|---|---|
| Vicat Softening Temperature | 147 | °F | 64.1 | °C | ExxonMobil Method |

### Additional Information

Please contact Customer Service for food law compliance information.

### Legal Statement

ExxonMobil

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## 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



exxonmobilchemical.com