

## Vistamaxx 6102

### Performance Polymer

| Physical                                | Typical Value | (English)         | Typical Value | (SI)              | Test Based On     |
|---|---------------|-------------------|---------------|-------------------|-------------------|
| Density <sup>2</sup>                    | 0.862         | g/cm <sup>3</sup> | 0.862         | g/cm <sup>3</sup> | ASTM D1505        |
| Melt Index <sup>2</sup> (190°C/2.16 kg) | 1.4           | g/10 min          | 1.4           | g/10 min          | ASTM D1238        |
| Melt Mass-Flow Rate (MFR) <sup>2</sup>  | 3             | g/10 min          | 3             | g/10 min          | ExxonMobil Method |
| Ethylene Content                        | 16            | wt%               | 16            | wt%               | ExxonMobil Method |
| Hardness                                | Typical Value | (English)         | Typical Value | (SI)              | Test Based On     |
| Durometer Hardness (Shore A)            | 66            |                   | 66            |                   | ASTM D2240        |
| Mechanical                              | Typical Value | (English)         | Typical Value | (SI)              | Test Based On     |
| Tensile Stress at 100%                  | 282           | psi               | 1.94          | MPa               | ASTM D638         |
| Tensile Stress at 300%                  | 325           | psi               | 2.24          | MPa               | ASTM D638         |
| Tensile Strength at Break               | > 1000        | psi               | > 6.89        | MPa               | ASTM D638         |
| Tensile Set                             | 18            | %                 | 18            | %                 | ExxonMobil Method |
| Elongation at Break                     | > 2000        | %                 | > 2000        | %                 | ASTM D638         |
| Flexural Modulus - 1% Secant            | 1790          | psi               | 12.3          | MPa               | ASTM D790         |
| Elastomers                              | Typical Value | (English)         | Typical Value | (SI)              | Test Based On     |
| Tear Strength (Die C)                   | 196           | lbf/in            | 34.3          | kN/m              | ASTM D624         |
| Thermal                                 | Typical Value | (English)         | Typical Value | (SI)              | Test Based On     |
| Vicat Softening Temperature             | 126           | °F                | 52.2          | °C                | ExxonMobil Method |

#### Product Description:

Vistamaxx 6102 is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology.

It has excellent elastomeric properties, is easy to process and is compatible with a wide variety of materials. It is particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.

**Applications:** Blown Film , Blown Molded Goods , Calendered Profiles , Cast Film , Extruded Profiles , PP/TPE Modification.

**Uses:** RoHS , Compliant.

**Producer:** EXXONMOBIL. America.