

Vistamaxx™ 6502

Performance Polymer

Product Description

Vistamaxx 6502 performance polymer is an olefinic elastomer chiefly composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil Chemical'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

Applications	▪ Compounding	▪ Injection Molding	▪ Polymer Modification
Uses	▪ Compounding		
RoHS Compliance	▪ RoHS Compliant		
Form(s)	▪ Pellets		

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)	20 g/10 min	20 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	48 g/10 min	48 g/10 min	ASTM D1238
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%	394 psi	2.71 MPa	ASTM D638
Tensile Stress at 300%	410 psi	2.83 MPa	ASTM D638
Tensile Strength at Break	> 1400 psi	> 9.65 MPa	ASTM D638
Tensile Set (73°F (23°C))	14 %	14 %	ExxonMobil Method
Elongation at Break	> 1900 %	> 1900 %	ASTM D638
Flexural Modulus - 1% Secant	2980 psi	20.5 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	220 lbf/in	38.4 kN/m	ASTM D624

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	125 °F	51.5 °C	ExxonMobil Method

