

Vistamaxx™ 6102FL

Performance Polymer

Product Description

Vistamaxx 6102FL is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil's proprietary metallocene catalyst technology. The 'FL' designates this product passes ExxonMobil's test for film appearance with regard to gels, as needed for performance film applications ('A' rating).

Key Features

- Suitable for a wide range of cast and blown film applications requiring good melt strength and elasticity.
- Can be blended with PE, PP and other polymers, including styrenic block copolymers.
- Excellent adhesion to conventional and metallocene PP and PE.
- Good cling and tack in stretch film and protective film applications.
- Good chemical resistance to aqueous systems and non-hydrocarbon based fluids.
- May be used in food contact applications (see FDA and EU notes).
- RoHS compliant.

General

Applications	▪ Blown Film	▪ Cast Film	
Uses	▪ Compounding	▪ Film	▪ Packaging
RoHS Compliance	▪ RoHS Compliant		
Form(s)	▪ Pellets		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Density ²	0.862 g/cm ³	0.862 g/cm ³	ASTM D1505
Melt Index ² (190°C/2.16 kg)	1.4 g/10 min	1.4 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	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)	67	67	ASTM D2240

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at 100%	324 psi	2.23 MPa	ASTM D638
Tensile Stress at 300%	402 psi	2.77 MPa	ASTM D638
Tensile Strength at Break	> 1100 psi	> 7.58 MPa	ASTM D638
Tensile Set	12 %	12 %	ExxonMobil Method
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	2090 psi	14.4 MPa	ASTM D790

Elastomers	Typical Value (English)	Typical Value (SI)	Test Based On
Tear Strength (Die C)	190 lbf/in	33.3 kN/m	ASTM D624

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	129 °F	53.9 °C	ExxonMobil Method

