ExxonMobil

Vistamaxx™ 6202FL

Performance Polymer

Product Description

Vistamaxx 6202FL performance polymer is an olefinic elastomer which is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using ExxonMobil Chemical's proprietary metallocene catalyst technology. The 'FL' designates this product passes ExxonMobil Chemical'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 film, extrusion coating, extrusion lamination and injection molding applications.
- Very good elasticity, flexibility and toughness.
- Excellent adhesion to conventional or metallocene PP and PE, and to various polyolefinic substrates (film, woven and nonwoven).
- Very low seal initiation temperature combined with high seal strength when used as an extrusion coating or laminating layer.
- High peel forces when used as adhesive layer of co-extruded surface protection films and masking tapes.
- Very effective at increasing the coefficient of friction of PE or PP blends.
- Good chemical resistance to aqueous systems and non-hydrocarbon based fluids.
- May be used in food contact applications (see FDA and EU notes).
- Although not NSF certified, this product has a Material Supplier Form on file with NSF to facilitate its evaluation for use in applications requiring NSF certification.
- RoHS compliant.

General

Applications	▪ Calendered Profiles ▪ Calendered Sheeting ▪ Cast Film	▪ Extruded Profiles ▪ Extruded Sheeting ▪ Extrusion Coating	▪ Extrusion Lamination ▪ Injection Molding ▪ PP/TPE Modification
Uses	▪ Compounding	▪ Film	▪ Packaging
RoHS Compliance	▪ RoHS Compliant		
Form(s)	▪ Pellets		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Density [2]	0.863	g/cm³	0.863	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	9.1	g/10 min	9.1	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) [2]	20	g/10 min	20	g/10 min	ExxonMobil Method
Ethylene Content	15	wt%	15	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%	280	psi	1.93	MPa	ASTM D638
Tensile Stress at 300%	305	psi	2.10	MPa	ASTM D638
Tensile Strength at Break	> 798	psi	> 5.50	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)	190	lbf/in	33.3	kN/m	ASTM D624

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Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	117	°F	47.2	°C	ExxonMobil Method