ExxonMobil

Vistamaxx™ 6202

Performance Polymer

Product Description

Vistamaxx 6202 performance polymer is an olefinic elastomer produced using ExxonMobil Chemical'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 compounding which requires excellent filler dispersion and acceptance.

Key Features

- Suitable for a wide range of film and compounding applications which require high filler acceptance such as sound deadening sheets and masterbatches.
- Other typical applications include calendered or extruded sheet/profiles and injection molded goods.
- Excellent adhesion to conventional or metallocene PP and PE.
- Very good elasticity and toughness.
- Very low seal initiation temperature combined with high seal strength when used as sealing layer of co-extruded structures.
- Very good chemical resistance and long term aging.
- Particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.
- 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 ▪ 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