ExxonMobil

Vistamaxx™ 6000

Performance Polymer

Product Description

Vistamaxx 6000 performance polymer is a metallocene catalyzed copolymer.

Key Features

- When used as the functional layer(s) in cast stretch film, it provides enhanced ultimate stretch, improved holding force and exceptional tear propagation resistance combined with excellent processability. In demanding wrapping operations this enables improved load stability and reduced film breaks.
- These superior properties make this resin an excellent fit in thin gauge high performance cast stretch films, including power pre-stretch films.

General

Applications	▪ Cast Stretch Film	
Uses	▪ Film	▪ Packaging
RoHS Compliance	▪ RoHS Compliant	

Physical	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.889	g/cm³	0.889	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	3.7	g/10 min	3.7	g/10 min	ASTM D1238

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Peak Melting Temperature	222	°F	105	°C	ExxonMobil Method
Peak Crystallization Temperature	148	°F	64	°C	ExxonMobil Method

Films	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Strength at Yield MD	2200	psi	15.1	MPa	ExxonMobil Method
Tensile Strength at Yield TD	1900	psi	13.1	MPa	ExxonMobil Method
Tensile Strength at Break MD	9080	psi	62.6	MPa	ExxonMobil Method
Tensile Strength at Break TD	5150	psi	35.5	MPa	ExxonMobil Method
Elongation at Break MD	440	%	440	%	ExxonMobil Method
Elongation at Break TD	790	%	790	%	ExxonMobil Method
Secant Modulus MD - 1% Secant	42000	psi	290	MPa	ExxonMobil Method
Secant Modulus TD - 1% Secant	47300	psi	326	MPa	ExxonMobil Method

Optical	Typical Value	(English)	Typical Value	(SI)	Test Based On
Gloss (45°)	89		89		ASTM D2457
Haze	0.400	%	0.400	%	ExxonMobil Method

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