

Vistamaxx™ 3980FL

Performance Polymer
ExxonMobil Chemical

Message:

Vedamel 3980FL high performance polymer is an olefin-based elastomer, mainly composed of isotactic polypropylene repeating monomer and randomly distributed ethylene. It is produced using ExxonMobil Chemical's proprietary metallocene catalyst technology. "FL" means that this product has passed ExxonMobil Chemical's film appearance test in terms of crystal points and meets the requirements of high-performance film applications ("A" standard).

General Information			
Uses	Packaging		
	Films		
	Composite		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.878	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) ² (190°C/2.16 kg)	3.7	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	6.76	MPa	ASTM D638
Fracture	17.2	MPa	ASTM D638
100% strain	5.64	MPa	ASTM D638
300% strain	5.65	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	30	%	ASTM D638
Fracture	1700	%	ASTM D638
Flexural Modulus - 1% Secant	110	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	81.3	kN/m	ASTM D624
Additional Information			

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NOTE

1.	Properties are expressed in commonly used units of measurement.
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3.	C mould

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