



Creating polyolefin-based resilient flooring solutions. Together.

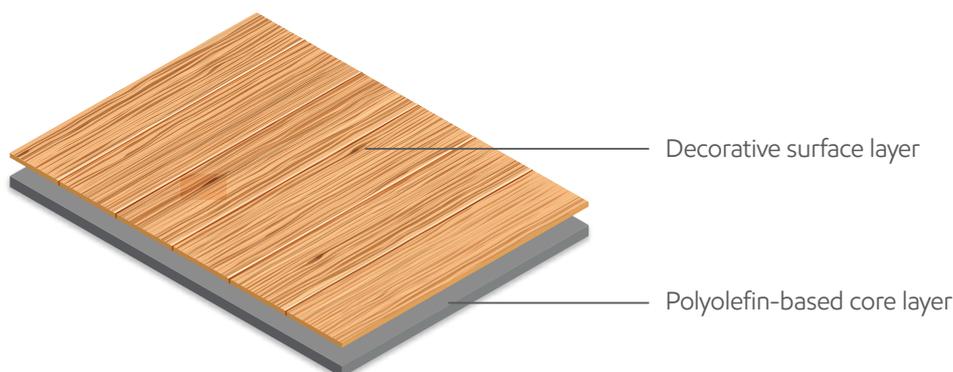
In response to increased market demands for PVC alternatives, ExxonMobil established capability to develop polyolefin-based solutions for resilient flooring such as tiles and planks also known as Luxury Polymer Tiles (LPT).

Leveraging our product portfolio, formulation expertise and collaborative development approach, customized solutions for both flexible and rigid resilient flooring types are now within reach. ExxonMobil solutions are based on compounded blends of ExxonMobil™ polypropylene (PP), Vistamaxx™ performance polymers and filler, in collaboration with brand-owners appropriately customized to meet target requirements.

	<p>PVC-alternative product</p>		<p>Recycling opportunities*</p>		<p>Cost competitiveness possibilities</p>
	<p>Polyolefin expertise to support customized solution development</p>		<p>High levels of filler loading</p>		<p>Potential to innovate and grow</p>

* Recyclable in communities with programs and facilities in place that collect and recycle polyolefin-based flooring and provided that a compatible top layer technology is used in the manufacturing process.

Resilient flooring solutions



Design for recyclability*

Scrap generated during production and installation, as well as any discarded flooring material, can be returned to the production process, helping to close the material cycle, conserve resources and deliver sustainability benefits.

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Market opportunity

"Polyolefin-based floor coverings offer a number of advantages, which is why they are becoming increasingly popular," said Janina Temming, Product & Application Owner Flat and Foam, KraussMaffei. "With our new plant concept we invest in this growing market and support manufacturers in overcoming market entry barriers."

Polymer properties table

Vistamaxx grade	Melt index* 190°C/2.16kg Based on ASTM D1238	Flexural modulus 1% secant MPa (psi) Based on ExxonMobil method	Density* modified g/cm ³ Based on ExxonMobil method	Tensile strength at break MPa (psi) Based on ExxonMobil method	Durometer hardness (Shore A) Based on ExxonMobil method
6502	21	20 (2960)	0.865	>7.6 (>1100)	71
6202	9.1	13 (1900)	0.862	>5.5 (>800)	64
6902**	43	37 (5300)	0.869	>7.6 (>1100)	76
8880***	25,000	NA	0.879	6.2 (900)	53

* Property specified in conventional unit of measure. ** Vistamaxx 6902 Melt index based on ExxonMobil method, Flexural modulus 1% secant based on ASTM D790B, Density based on ASTM D1505 and Tensile strength at break based on ASTM D638. *** Vistamaxx 8880 Melt index value is estimate based on viscosity data and Durometer hardness value is Shore C. Values given are typical and should not be interpreted as specifications. For detailed product information, please consult the individual grade data sheet, available on our website: www.exxonmobilchemical.com.

Innovation through collaboration

Winning solutions emerge with collaboration across the value chain. ExxonMobil works with machine suppliers and top layer producers to support development of polyolefin-based resilient flooring.

"Leveraging our technology expertise and polymer portfolio, including a broad range of ExxonMobil™ polyolefin elastomers like Vistamaxx™ performance polymers, we support brand-owners in development of innovative customized flooring formulations that can be efficiently screened and tested on KraussMaffei's pilot line," said Gertrud Masure, Market Development Manager, EMEAF, Polypropylene, Vistamaxx and Exact™, ExxonMobil.

Exxonmobil's collaboration with value chain partners helps manufacturers bring products to the market quicker.

KraussMaffei

KraussMaffei is among the world's leading manufacturers of machinery and systems for the production and processing of plastics and rubber. Our brand has been synonymous with cutting-edge technology for over 180 years. Our range of services covers all areas of injection molding machinery, extrusion technology and reaction process machinery. This gives KraussMaffei a unique selling point in the industry. With the high innovative power of our standardized and individual product, process, digital and service solutions, we can guarantee customers sustained added value over the entire value-adding chain.



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