



Vistamaxx™ performance polymers

Differentiated polyolefin-based resilient flooring solutions for PVC alternatives

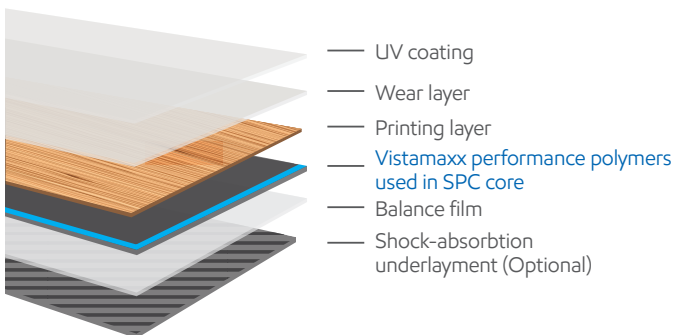
In response to increased market demands for PVC alternatives, ExxonMobil has developed polyolefin-based solutions for resilient flooring, such as tiles and planks, also known as Luxury Polymer Tiles (LPT).

Leveraging its product portfolio, formulation expertise and collaborative development approach, customized solutions for both **flexible (LVT – Luxury Vinyl Tile)** and **rigid (SPC – Stone Plastic Composite)** resilient flooring types are now possible. Developed in collaboration with value chain partners, ExxonMobil solutions, which can be customized to meet target requirements, are based on compounded polyolefin blends of ExxonMobil™ polypropylene (PP), Exceed™ high performance PP, Vistamaxx™ performance polymers, and fillers.

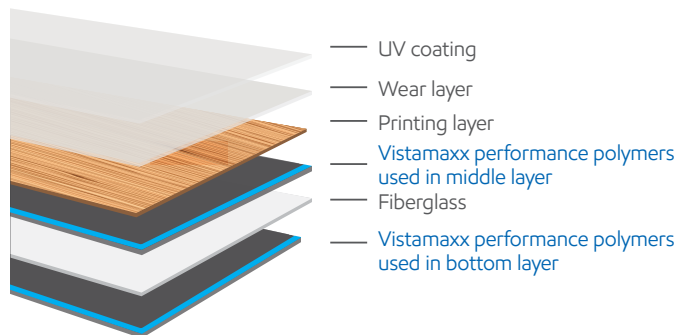


Data and results presented herein apply specifically to the noted application under this fact sheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

SPC Solution



LVT Solution



* 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.

Enhancing potential recyclability*

Scrap generated during production and installation, as well as any discarded polyolefin-based LPT flooring material, can be returned to the production process, helping to re-use the existing materials and conserve resources.

At end of use, polyolefin-based LPT flooring can be removed and recycled, also helping to create a material cycle, especially as they are compatible with PP/PE recycling streams. Polyolefin-based flooring can help the value chain achieve sustainability certifications by enabling low VOC formulations that do not include substances on restricted lists.

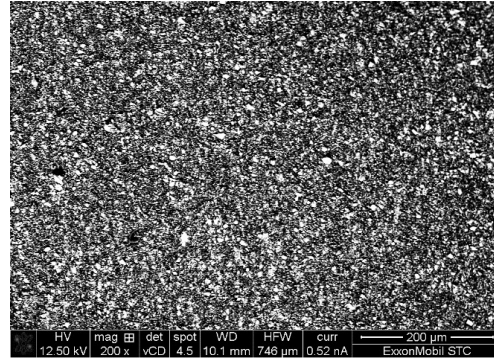
* Recyclable in communities with programs and facilities in place that collect and recycle polyolefin-based flooring and provided that a compatible top layer technology is used in the manufacturing process.

Durability

Often PVC flooring solutions require the addition of plasticizers (which can include VOCs) to improve durability and good mechanical properties. However, because Vistamaxx performance polymers deliver high impact strength, polyolefin-based LPT solutions from ExxonMobil can provide excellent mechanical properties, including high durability combined with tailored flexibility, without the addition of plasticizers.

Filler dispersion

Vistamaxx™ performance polymers enable a high filler loading and excellent dispersion capability, resulting in good mechanical strength and high dimensional stability, while providing opportunities to lower costs.



Uniform filler dispersion with 75% filler loading by SEM

Good lamination strength

Vistamaxx performance polymers broaden the processing window for laminating decoration film, improving the processing effectiveness and peel strength to the final product.

Vistamaxx-based LPT solutions**

Description	Filler loading (%)	Density g/cm ³	Hardness (shore D)	CLTE, 23~80°C (µm/(m°C))	Vicat softening point (°C)	Dimensional Stability* (80°C@6h)
SPC core layer solution	75	1.83	69.3	97.1	146.3	MD: 0.05% TD: 0.02%
LVT core layer solution	70	1.63	56.1	258.8	85.7	/

Results are all based on ExxonMobil test method, data traceability R2203-006465 and R2305-013325

* Both sides laminated with PP film

** The data in the table represents what has been measured using specific ExxonMobil samples and relates to the formulation and requirements determined by each customer. For new samples, the properties for each formulation will have to be tested & verified.



Contact us for more information:

exxonmobilchemical.com/vistamaxx

What's new: ExxonMobil Signature Polymers

All our polymers are now positioned under a single portfolio brand: Signature Polymers. The aim is to simplify our product architecture and naming to improve portfolio navigation for you. We would like to stress that our commitment to high quality products remains the same. The composition of the products are unchanged, it is only the names that updated. We will be making these modifications over the next few months, through mid 2025, so you will see both old and new grade names highlighted during that time. Grade slate of Vistamaxx™ performance polymers will keep unchanged.

Want to see what's changed in our portfolio? Go to exxonmobilchemical.com/sptransform

ExxonMobil
Signature Polymers

Bring your impossible

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances their sustainability and business goals.



© 2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.