



Vistamaxx™ performance polymers

Enhance the performance of your waterproofing membranes

Vistamaxx™ performance polymers allow you to improve the performance of your waterproofing membranes. Adding Vistamaxx to your formulations enables the fabrication of more flexible membranes that are easier to install. Seam force and peel strength can also be enhanced for more durable membranes.



Easier
installation



Strength
and durability



Cost saving
opportunities



Tailoring TPO
membrane solutions
for better flexibility
and strength

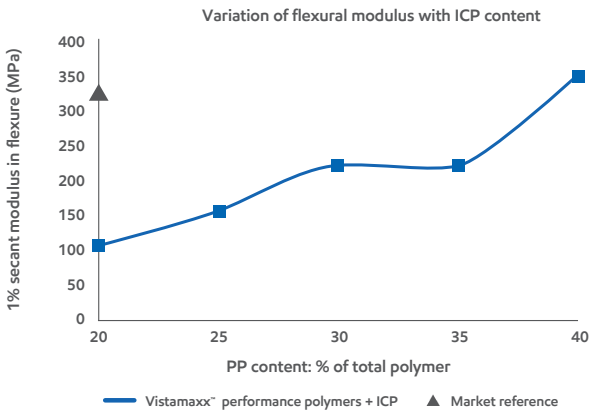
- **Easier installation:** Adding Vistamaxx performance polymers to your formulation increases membrane flexibility, making installation easier and faster with little maintenance.
- **Strength and durability:** When Vistamaxx is added to your formulations, it broadens the membrane welding window, while simultaneously improving seam force and peel strength. This stabilizes welding speed for easier membrane installation and offers excellent welding strength for durability.
- **Cost saving opportunities:** Using Vistamaxx allows higher filler loadings and good filler dispersion, resulting in opportunities to reduce costs and better membrane sheet consistency.
- **Tailoring TPO membrane solutions for better flexibility and strength:** Adding Vistamaxx to the formulation enhances the flexibility of your membranes, making them easier to install. Vistamaxx can also be used to tailor the tensile strength and elongation at break for more durable membranes.

TPO membranes typical formulation

Components	Weight %
Polymer: Vistamaxx™ 6102 and ExxonMobil™ PP7032 (PP content: % of total polymer)	60 (30-40)
Magnesium hydroxide masterbatch (flame retardant)	30
UV stabilizer masterbatch	3
Titanium dioxide (TiO ₂) masterbatch	7

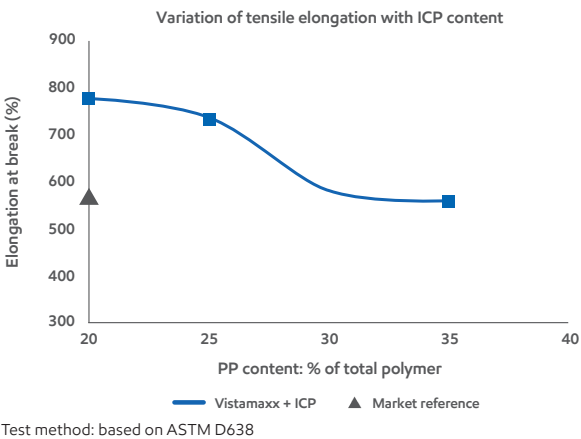
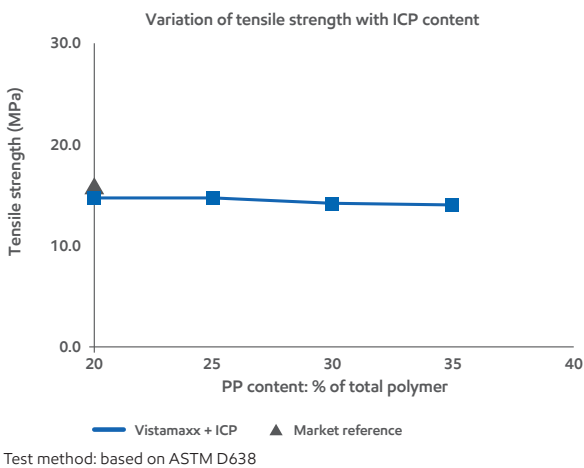


Figure 1: Enhanced compounding flexibility



- Better flexibility versus the market reference leads to easier installation
- Modulus targets can be attained by varying the PP content in the blend

Figure 2: Tailored strength and elongation at break

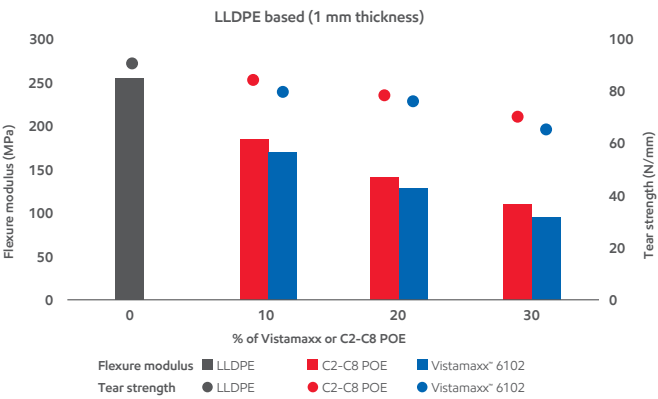


- Tensile strength similar to the market reference with better elongation at break
- Properties can be tailored by adjusting the ratio of Vistamaxx™ performance polymers and ICP PP

Enhanced solutions for PE membranes with better flexibility

Adding Vistamaxx™ performance polymers as a blend partner to PE-based formulations improves membrane flexibility for easier installation and provides good tear strength for durability.

Figure 3: Vistamaxx performance polymers for PE-based membranes



- Adding 10% Vistamaxx™ 6102 reduces flexure modulus by about 33% versus LLDPE
- Vistamaxx 6102 provides better flexibility and comparable tear strength versus C2-C8 POE

Formulation used for figure 3

Components	Weight %
LLDPE	80-50
Vistamaxx™ 6102 or C2-C8 POE	0-30
Calcium carbonate powder	20

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, it is names that change. Grade slate of Vistamaxx™ performance polymers will keep unchanged.

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

Contact us for more information: exxonmobilchemical.com/vistamaxx

ExxonMobil
Signature Polymers

Bring your impossible



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