



Enabling innovative solutions for industrial fabrics

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Vistamaxx™ performance polymers improve the performance and quality of the extrusion coating of woven and nonwoven industrial fabrics, while reducing costs for a range of applications:

- Construction textiles such as synthetic roof underlayment
- Waterproofing and expansion tapes
- Reinforced membranes used in architecture, construction covers, awnings, canopies and tarps
- Insulation facings
- Industrial wrappings

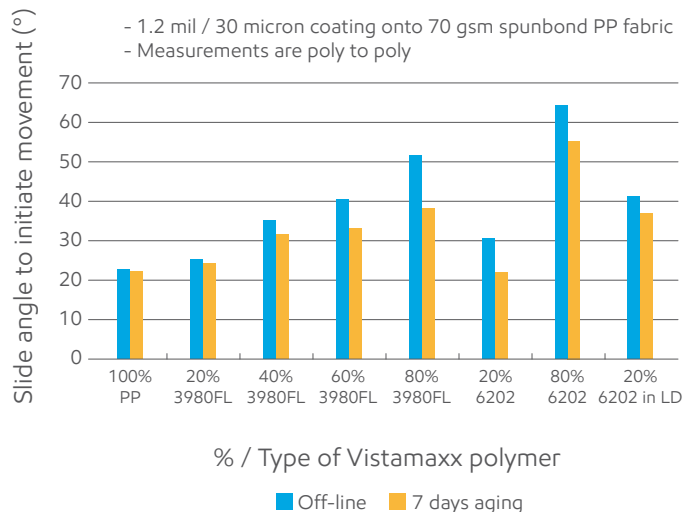
Inspiring innovation

Compatible with a range of polymers, Vistamaxx™ performance polymers are used to tailor the properties of PP and PE based coatings to achieve:

- Excellent anti-skid properties
- Low temperature sealing and high seal/adhesion strength
- Increased flexibility
- Improved UV resistance compared to PP

Anti-skid performance

Adding Vistamaxx polymers to PP/PE for the extrusion coating layer increases the anti-skid properties (COF) of the extrusion coated fabric, as illustrated below.



Slide angel test methods based on ASTM D-202

Enhanced adhesion strength

Delivering excellent adhesion to woven and nonwoven substrates (as shown in the table), Vistamaxx polymers enable:

- The design of robust, high-quality composite products
- Simpler processing through the elimination of adhesive lamination and double pass coating
- Downgauging opportunities
- Product design flexibility
- Coextrusion processing for increased functionality

Bond strength of Vistamaxx performance polymers extrusion coated woven and nonwoven fabrics		
Fabric layers structure: A Substrate B Coating C Substrate (when applicable)	Bond strength (N/15 mm)	Extrusion set temperature (°C)
A PP woven fabric B 25 gsm Vistamaxx 6202 + LDPE blend	1.5	290
A PP woven fabric B 25 gsm Vistamaxx 3980FL + 25 MFR PP blend	Cohesive failure	300
A PP woven fabric B 25 gsm Vistamaxx 6202 with plastomer + LDPE blend	1.8	290
A PP woven fabric B 25 gsm coextrusion lamination of Vistamaxx 6202 with grafted terpolymer-reverse printed OPP	Ink failure	320
A PP woven fabric B 25 gsm coextrusion lamination of Vistamaxx 6202 C Reverse printed OPP	1.4	320
A 125 gsm Vistamaxx 3980FL + LDPE blend B Heavy PP fabric C 125 gsm Vistamaxx 3980FL + LDPE blend	14	250
A 70 gsm PP Fabric B 30 gsm Vistamaxx 6202 + PP-based blend	Fiber tear	280
A 70 gsm PP Fabric B 30 gsm Vistamaxx 3980FL + PP-based blend	Fiber tear	280
A Nonwoven PP B 50 gsm Vistamaxx 6202 + SEBS blend C Nonwoven PP structure made in mono and extrusion coating	Fiber tear	180

Test method based on: adhesion strength ASTM D-1876



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