



Vistamaxx™ Exceed™ Flow Exceed™ Tough Exceed™ Escorez™

Innovate new levels of comfort, fit and barrier performance with our hygiene solutions

Not all hygiene solutions are created equal. ExxonMobil's comprehensive range of hygiene products allows you to innovate new levels of softness, strength, fit and barrier performance. Our hygiene portfolio includes Vistamaxx™ performance polymers, ExxonMobil™, Exceed™ Flow, Exceed™ Tough, and Exceed™ performance polymers and Escorez™ tackifiers.

Nonwoven fabrics

In spunbond or meltblown nonwoven production, Vistamaxx performance polymers, Exceed PP, Exceed Flow and Exceed Tough offer ease of processing, softness, loft capabilities, strength, and improved barrier performance.

Typical values

Availability

Grade	Conversion process	MFR*	Attributes	Americas	Asia	Europe	Middle East & Africa
Vistamaxx™ 7020BF	Spunbond	20	Enables ability to tailor softness, drapability and extensibility of fabric when used in a blend with PP. Good color stability.	●	●	●	●
Vistamaxx 7050BF	Spunbond Meltblown	45	Enables ability to tailor elasticity, softness and drapability of fabrics when used in a blend with PP. Good color stability.	●	●	●	●
Exceed™ PP3155E5	Spunbond	36	Excellent spinnability for consistent, high-quality fabrics at maximum throughputs.	●	●	●***	●***
Exceed™ Tough PP3684	Spunbond	13.5	Enable high-loft, ultra-soft nonwovens through bi-component (BiCo) spunbond process.	●	●	●	●
Exceed™ Flow PP3655E1	Spunbond	58	Outstanding uniformity for fine denier. Tunable MD & CD tensile strength and suitable for high speed spinning.		●		
Exceed PP3854	Spunbond	24	Outstanding uniformity for high-strength and fine denier.	●			
Vistamaxx 8880	Meltblown	1200**	Improved barrier properties and tunable softness.	●	●	●	●
Exceed PP6035G1	Meltblown	500	Enhanced strength with broad processing window.	●			
Exceed Flow PP6945G1	Meltblown	925	Excellent balance between softness, barrier and strength, wide processing window.	●			
Exceed Flow PP6936G2	Meltblown	1550	Superior barrier and softness.	●			

* MFR 230°C/2.16kg based on ExxonMobil method g/10min. ** Viscosity at 190°C (374°F) based on ExxonMobil method mPa·s. *** Please check with your local sales contact for grade availability.

Backsheet film

Exceed™, Exceed™ Tough, and Exceed™ Flow performance PE polymers based-solutions offer thinner breathable and non-breathable backsheet films while maintaining excellent mechanical properties for high-quality products. Value creation is possible through improved extrusion line speeds, higher throughput and downgauging.

Typical values

Grade	Melt index*	Density**	Blown film	Cast film	Attributes
Exceed Tough+ m 1019	1.0	0.918	●	●	Superior toughness and sealing properties. High film integrity. Easy processing on blown film lines. Downgauge opportunity.
Exceed Tough+ m 0518	0.5	0.918	●		High flex-crack resistance and increased output. Robust operations on blown film lines.
Exceed m 1018	1.0	0.918	●		Toughness and sealing properties. High film integrity. Downgauge opportunity.
Exceed™ Stiff m 1327***	1.3	0.927	●		Toughness, sealing and optical properties. Stiffness and breathability. Robust operations on blown film lines. Downgauge opportunity.
Exceed m 2018	2.0	0.918	●		Extrudability, tensile, impact strength and puncture.
Exceed m 3518	3.5	0.918		●	Toughness properties. Robust operations on cast film lines.
Exceed Stiff m 3527	3.5	0.927		●	Toughness and sealing properties. Stiffness and breathability. Robust operations on cast film lines.
Exceed m 4518	4.5	0.918		●	Toughness and sealing properties. Easy processing on high-speed cast film lines.
Exceed Tough m 4536	4.5	0.936		●	Stiffness and toughness balance. Breathability. Easy processing on high-speed cast film lines.
Exceed Flow m 0520	0.5	0.920	●		Easy processing on blown film lines with enhanced yield strength. Bubble stability. High film integrity. Downgauge opportunity.
Exceed Flow m 1020	1.0	0.920	●	●	Easy processing on film lines with enhanced yield strength. Neck-in improvement in cast lines. High film integrity.
Exceed Flow+ m 0938	0.9	0.940	●	●	Easy processing on blown film lines: bubble stability and extrudability. Stiffness and toughness balance. Downgauge opportunity.

* Melt index 190°C/2.16kg based on ExxonMobil method g/10min. ** Density based on ExxonMobil method g/cm3. ***Exceed Stiff m 1327 is not available in the Americas.

Elastic laminates using elastic film

Vistamaxx™ performance polymer allows manufacturers to tailor the level of elasticity for improved fit, comfort and discretion, while maintaining low odor.

Typical values

Grade	Conversion process	MFR*	Attributes
Vistamaxx™ 6102FL**	Film	3.0	Provides excellent elasticity in films.
Vistamaxx 6202FL**	Film Extrusion lamination	20	Provides excellent elasticity in films and enables coating or lamination of elastic layers to nonwoven substrates. Good compatibility with polyolefin nonwoven facing layers in laminates.
Vistamaxx 7810**	Film	4.8	Offers softer stretch without sacrificing elasticity in films.

*MFR 230°C/2.16kg based on ExxonMobil method g/10min.

**FL grades pass ExxonMobil's test for film appearance with regard to gels, as needed for performance film applications ('A' rating). Please check with your local sales contact for Vistamaxx 7810 availability.

Hygiene construction and elastic attachment adhesives

Vistamaxx performance polymers and the Escorez™ 5000 family of high-performance tackifiers are compatible with a wide range of polymers used in nonwoven applications. Used in adhesive formulations, they are low in odor, light in color and remain thermally stable from manufacturing to product use.



Typical values

Grade	Viscosity (mPa·s)	Attributes
Vistamaxx™ 8380	7000*	Enables high polymer load adhesive formulations with low odor, improved mileage, thermally stable viscosity, and low application temperatures.
Escorez™ 5000 series	200 - 4000**	Offer excellent color performance with outstanding shelf-life stability. They also offer low odor, outstanding thermal and UV stability, compatibility with a wide range of polymers and an excellent balance of adhesion and cohesion properties

*Viscosity at 190°C (374°F) ExxonMobil method mPa·s.

**Viscosity at 160°C (320°F) based on ExxonMobil method mPa·s.

Please refer to Escorez Product Data Sheet by grade for individual melt viscosity and other parameters for your adhesive formulation design.

High performing solutions for every diaper part

Elastic stretch ears

Film laminates or nonwoven fabrics using Vistamaxx™ performance polymers

Elastic waistbands

Film laminates or nonwoven fabrics using Vistamaxx performance polymers

Hot-melt adhesives

HMA using Vistamaxx performance polymers/ Escorez™ tackifiers throughout

Top sheets

Fabrics using Exceed PP, Vistamaxx performance polymers

Core wrap

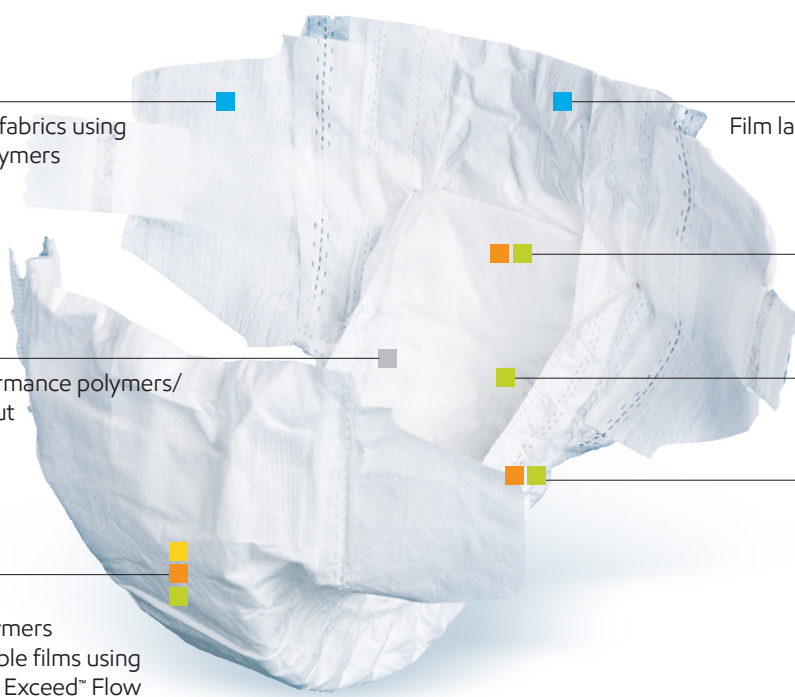
Fabrics using Exceed PP

Leg cuffs

Fabrics using Exceed PP, Vistamaxx performance polymers

Backsheet

Fabrics using Exceed™ PP/ Vistamaxx performance polymers
Breathable and non-breathable films using Exceed™, Exceed™ Tough, and Exceed™ Flow performance PE polymers



- Soft-stretch elastic
- Soft PP nonwovens
- PP nonwovens
- Backsheet films
- Hot-melt adhesives

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 the names that change. Everything else remains the same. We will be making these modifications over the next six months so you will see both old and new grade names highlighted during that time.

Here's a quick overview of brands and grade names that have changed in this document:

Legacy commercial name	New commercial name
ExxonMobil™ PP3155E5	Exceed™ PP3155E5
Achieve™ Advanced PP3684	Exceed™ Tough PP3684
Achieve Advanced PP3655E1	Exceed™ Flow PP3655E1
Achieve Advanced PP3854	Exceed PP3854
Achieve Advanced PP6035G1	Exceed PP6035G1
Achieve Advanced PP6945G1	Exceed Flow PP6945G1
Achieve Advanced PP6936G2	Exceed Flow PP6936G2
Exceed™ XP 8318	Exceed Tough+ m 1019
Exceed XP 8358	Exceed Tough+ m 0518
Exceed 1018	Exceed m 1018
Exceed 1327	Exceed™ Stiff m 1327
Exceed 2018	Exceed m 2018
Exceed 3518	Exceed m 3518
Exceed 3527	Exceed Stiff m 3527
Exceed 4518	Exceed m 4518
Exceed 4536	Exceed Tough m 4536
Enable™ 2005	Exceed Flow m 0520
Enable 2010	Exceed Flow m 1020
Enable 4009	Exceed Flow+ m 0938

Some of our existing Exceed, Achieve, Paxon and premium PP/HD grades have moved to Exceed brand; most existing Enable grades have moved to Exceed Flow(+); most of our existing Exceed XP grades have moved to Exceed Tough(+); most of our existing Exceed S grades have moved to Exceed Stiff(+). More details here https://www.exxonmobilchemical.com/en/brands/signature-polymers/exceed_high_performance_polymers or contact your ExxonMobil representative to know more.

Want to see what's changed in our portfolio? Go to [exxonmobilchemical.com/sptransform](https://www.exxonmobilchemical.com/en/brands/signature-polymers/exceed_high_performance_polymers)

Contact us for more information: [exxonmobilchemical.com/en/solutions-by-industry/hygiene-and-personal-care](https://www.exxonmobilchemical.com/en/solutions-by-industry/hygiene-and-personal-care)

ExxonMobil

Signature Polymers

Bring your impossible