





Energy lives here™

High-loft, ultra-soft hygiene solutions

The next generation of nonwovens is here. An innovative blend of Vistamaxx™ and our performance polypropylene, together with bi-component (BiCo) spunbond technology, delivers high-loft, ultra-soft fabrics with low lint, excellent uniformity and resilience. It's where soft meets strong.

Key benefits

Thickness
Spunbond fabrics are manufactured to match the thickness of carded fabrics, and in some cases outperforms carded*

Resilience
Maintains 80% of its thickness after being placed under load for an extended period of time

Softness
Exceptional softness with good drapability

Low lint
Lower lint for improved surface stability

Uniformity
Enhanced uniformity for more consistent products

Affordability
More cost-effective than other processes**

Applications

This breakthrough solution enables the production of exceptionally soft and comfortable components such as belly bands, back sheets and top sheets in premium hygiene products including:

- **Open-style diapers**
- **Pant-style diapers**
- **Feminine care products**
- **Adult incontinence products**

Technology

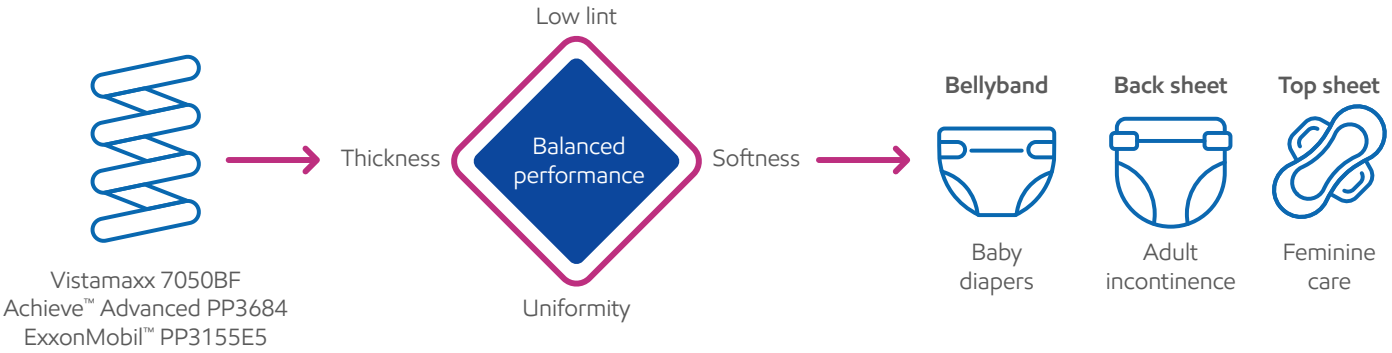
The blend of our performance polypropylene and Vistamaxx™ 7050BF processes easily on BiCo spunbond technology from Reifenhäuser Reicofil, a market leader in developing complete nonwoven, meltblown and composite production lines. This process, combined with our innovative blend of Vistamaxx performance polymers , Achieve™ Advanced PP and ExxonMobil™ PP, creates thick and cottony-soft fabrics, compared to the thin, silky-soft fabrics created with existing spunbond technology.

The combination of ExxonMobil polymers and Reicofil technology addresses the growing demand for innovative, differentiated soft nonwovens in the global hygiene market and unlocks new business opportunities across the value chain.

*Compared to other carded fabrics
**Compared to other carded air through bonding (ATB) products.

Proof of performance

Vistamaxx™ and our performance polypropylene, together with bi-component (BiCo) spunbond technology, enable the production of high-loft, ultra-soft components.



Typical values

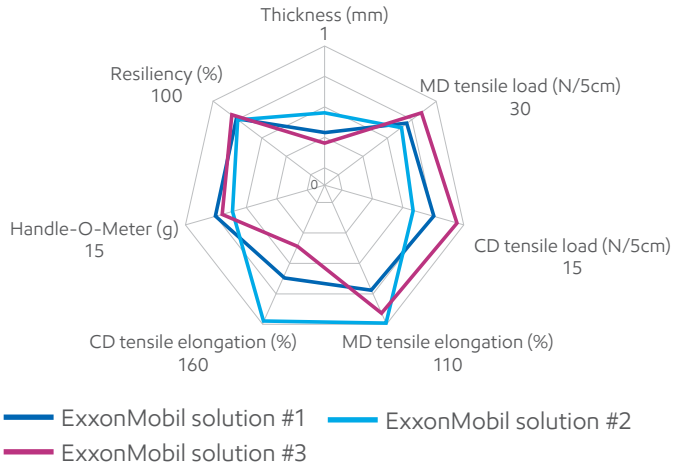
Availability

Grade	Conversion process	MFR*	Attributes	Americas	Asia	Europe	Middle East and Africa
Vistamaxx 7050BF	Spunbond meltblown	45	Enables ability to tailor elasticity, softness and drapability when used in a blend with PP. Good color stability	•	•	•	•
ExxonMobil PP3155E5	Spunbond	36	Excellent spinnability for consistent, high-quality fabrics at maximum throughputs	•	•	•**	•**
Achieve Advanced PP3684	Spunbond	13.5	Enables high-loft, ultra-soft nonwovens through bi-component (BiCo) spunbond process	•	•	•	•

* MFR 230°C/2.16 kg based on ExxonMobil method g/10 min.
** Please check with your local sales contact for grade availability.

Loft blends and key attributes

Three blends of ExxonMobil's high-loft, ultra-soft solution can be created using different grades of our performance polypropylene. Some blends produce a silkier finish, while others produce a more cotton-like result.



Contact us for more information:
exxonmobilchemical.com/loft

ExxonMobil

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