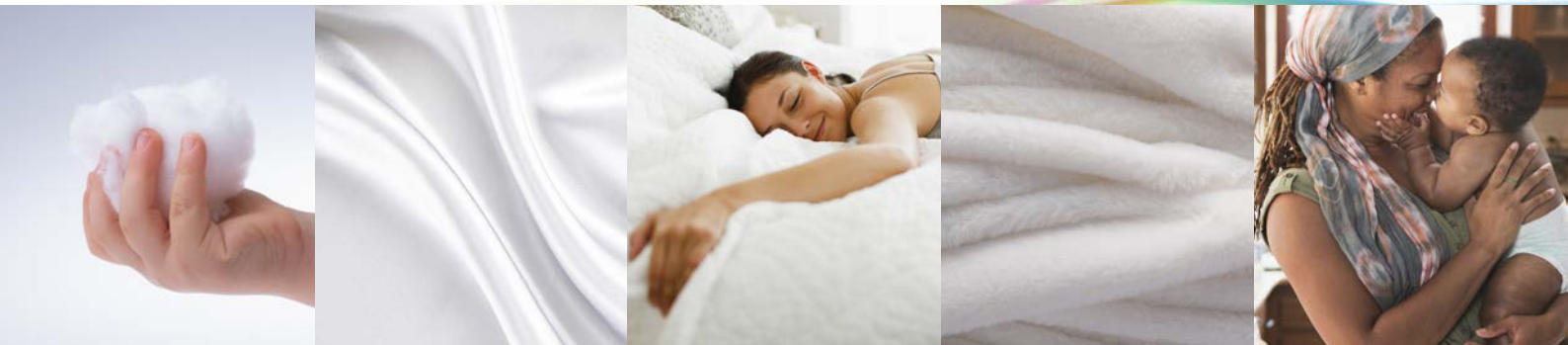


High loft, ultra-soft hygiene solutions providing certified-circular polymers leveraging Exxtend™ technology



Thickness

Up to 15% thicker for outstanding protection*



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

Low lint for improved surface stability



Uniformity

Excellent uniformity for more consistent products



Affordability

More cost-effective than other processes**

Source: ExxonMobil data

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 polypropylenes and Vistamaxx™ 7050BF processes easily on BiCo spun-bond technology from Reifenhäuser Reicofil, a market leader in developing complete nonwovens, melt-blown 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.



This solution contains certified-circular polymers leveraging ExxonMobil's Exxtend™ technology for advanced recycling which can help widen the range of plastics that can be recycled. Product quality and performance of the certified-circular polymers is identical to virgin plastics, so customers can be confident when using them in existing applications.

* Compared to other bi-component spunbond high-loft solutions
 ** Compared to other carded air through bonding (ATB) products

Grade	Conversion process	MFR ¹	Attributes
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
ExxonMobil PP3684HL	Spunbond	13.5	Enables high-loft, ultra-soft nonwovens through bi-component (BiCo) spunbond process

¹ Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)

Advancing innovative solutions. Together.

For more information: exxonmobilchemical.com/pp

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High Loft Nonwovens

Technology

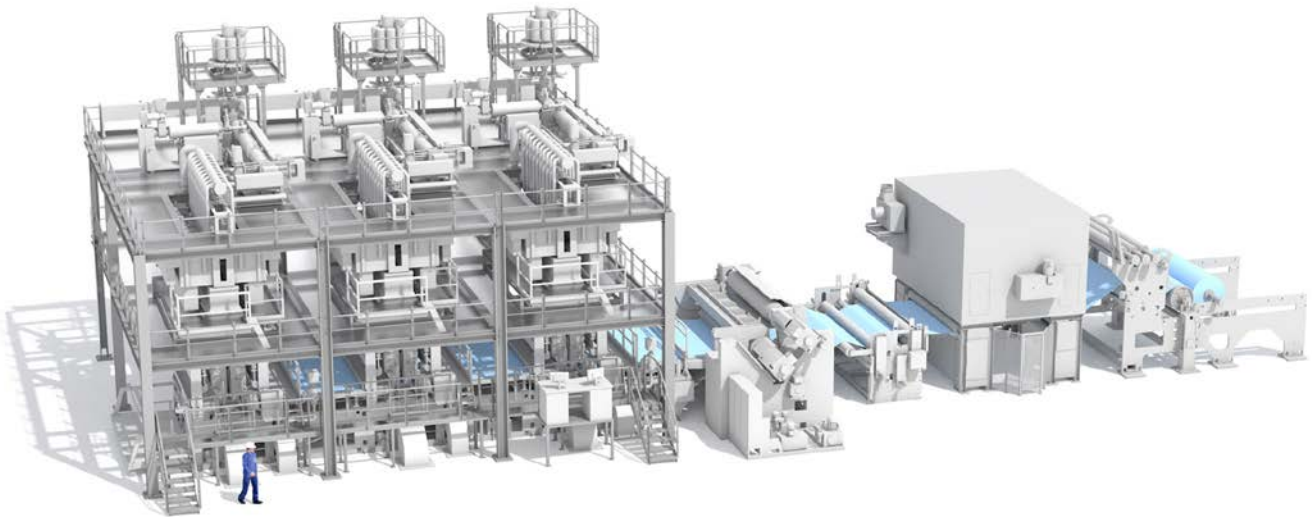
PP-based soft, bulky High Loft Nonwovens produced on Reifenhäuser Reicofil BiCo spunbond technology. Crimp fiber geometry using a polymer blend based on ExxonMobil performance polymers. Enhanced drapeability and softness with ExxonMobil Vistamaxx™ performance polymers. Crimp level adjustable for optimum product quality at best convertibility.

Optimal product composition SSS 20 gsm

Throughput / production rate up to 3 x 250 kg/h/m

Sustainability benefits

This solution contains certified-circular polymers leveraging ExxonMobil's Exxtend™ technology for advanced recycling which can help widen the range of plastic materials that can be recycled and provides performance and quality identical to virgin plastics. In addition, downgauging is made possible by using an individualized blend composition.



Application

Improved diaper surfaces (Topsheet / Backsheet / Legcuff)