ExxonMobil
Signature Polymers

Fact sheet

Exceed™ Flow

Innovative spunbond polypropylene delivers fine, high strength fibers for nonwovens used in hygiene and medical applications

Exceed™ Flow PP3655E1 creates finer fibers with high tensile strength for spunbond nonwovens used in a broad range of hygiene and medical applications. The enhanced performance provided by this latest innovation provides opportunities for the value chain to meet consumer trends for hygiene and medical products that offer better comfort, security and discretion.

- Narrow MWD (Molecule Weight Distribution)
- Anti-gas fading additives
- Tailored MD and CD tensile strength
- Outstanding uniformity for fine denier
- Consistent, high-quality fabrics
- Suitable for high-speed spinning

Exceed™ Flow PP3655E1 enhances nonwoven performance by creating finer fibers with excellent physical properties to deliver:

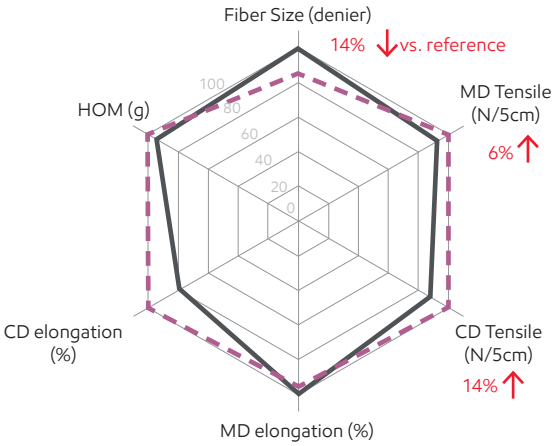
- Tailored softness and drapability
- Enhanced MD (machine direction) and CD (cross direction) tensile strength
- Opportunity for downgauge through fiber size reduction
- New possibilities for higher production efficiency
- Improved aesthetics
- Outstanding MFR consistency

With a melt flow rate (MFR) of 58 g/10min, Exceed Flow PP3655E1 delivers robust processability on high-speed machinery to help optimize production efficiency and output.

Performance on a Reicofil Line

- On a Reicofil line, Exceed™ Flow PP3655E1 demonstrates higher MD and CD tensile with fine fiber size, compared to the reference material.
- The MD and CD tensile strength can be tailored to meet specific application requirements.
- Significant tensile strength improvement is possible for soft lean blend solutions using Vistamaxx™ performance polymers.

Standard PP nonwoven - 17 gsm, SSS



Reference 36 MFR hPP - Standard cabin pressure

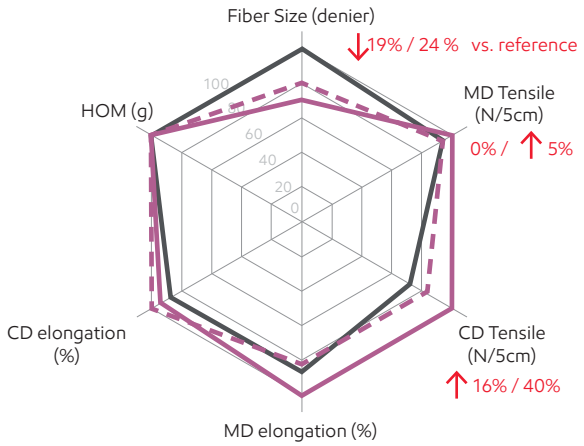
Exceed™ Flow PP3655E1 - higher cabin pressure

* All data shown in the charts are in relative % values

Performance on a non-Reicofil Linea

- On a non-Reicofil line, Exceed Flow PP3655E1 demonstrates finer fiber sizes combined with MD and CD tensile strength improvements, compared to the reference formulation, through flexible machine adjustments relating to cabin pressure, quench air and suction air balance.

Vistamaxx soft solution - 13 gsm, SSMMS



Reference 36 MFR hPP + lean blend Vistamaxx™ 7020BF - 740 rpm

Exceed™ Flow PP3655E1 + lean blend Vistamaxx 7020BF - 900 rpm

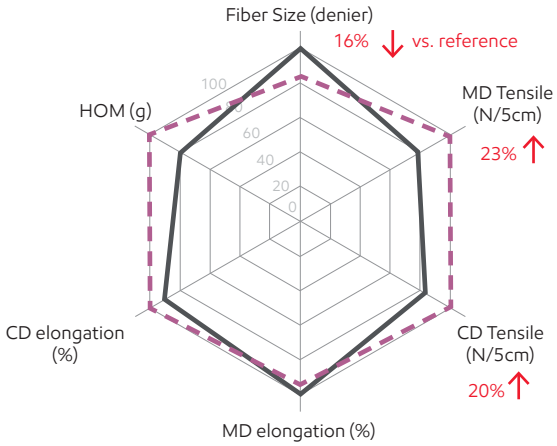
Exceed™ Flow PP3655E1 + lean blend Vistamaxx 7020BF - 1020 rpm

* All data shown in the charts are in relative % values

Reicofil line with increased output

- On a Reicofil line, Exceed Flow PP3655E1 can potentially deliver increased output and higher MD and CD tensile strength with fine fibers, compared to the reference material.

Standard PP Nonwoven, 15gsm, S -High output (287kg/h/m)



Reference 36MFR hPP - 4200Pa (high output)

Exceed™ Flow PP3655E1 - 8000Pa (high output)

* All data shown in the charts are in relative % values

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. The composition of the products are unchanged, it is only the names that updated. We will be making these modifications over the next few months, through mid 2025, 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 been changed in this document:

Legacy Commercial Name	New Commercial Name
Achieve™ Advanced PP3655E1	Exceed™ Flow PP3655E1

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

Contact us for more information: **exxonmobilchemical.com/pp**

ExxonMobil Signature Polymers

Bring your impossible

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