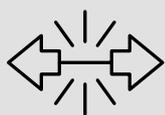


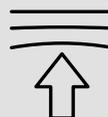


Exceed™ Tough performance PP

Exceed™ Tough PP3684 offers enhanced tensile properties and stiffness in nonwoven applications



Excellent tensile strength



Enhanced stiffness

Data and results presented herein apply specifically to the noted application under this factsheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

Modern nonwoven solutions demand more than just functionality – they require strength & durability to meet the evolving needs of diverse industries. Stiffness plays a critical role in delivering structural integrity and enhanced handling, ensuring products maintain their form during use and provide a premium hand feel - key attributes for applications ranging from packaging to industrial fabrics.

To improve stiffness, the conventional way is to blend injection molding grade of polypropylene with spunbond grade. While this approach adds rigidity, these grades are not optimized for nonwoven processing and often fail to deliver the desired hand feel and consistency required for nonwoven applications.

Exceed™ Tough PP3684 from ExxonMobil Signature Polymers is a spunbond homo PP grade engineered specifically for nonwoven lines. It offers:

- **High stiffness and tensile strength solution** to meet unique market needs.
- **Optimized processing performance** for high-speed spunbond operations.
- Opportunity to meet **toughness** requirements at lower basis weight.
- **Versatility** across applications, from reusable shopping bags to hygiene products, automotive interiors, and industrial solutions.

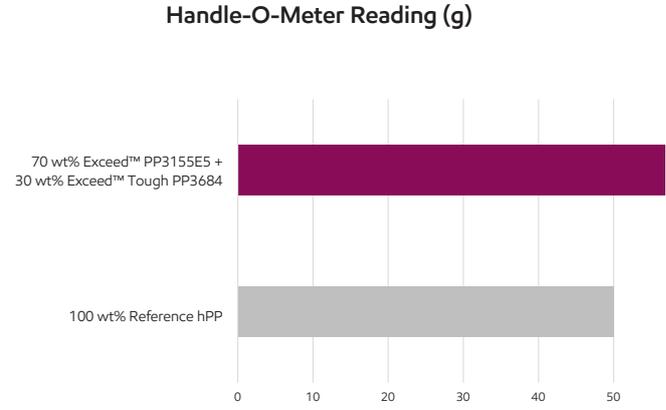
Exceed™ Tough PP3684 improves both tensile properties and provides a stiffer handfeel when added to spunbound homo-polypropylene (36 MFR).

Exceed Tough PP3684 improves tensile strength

Exceed Tough PP3684 provides stiffer feel



**Data traceability: R2401-018662 & R2401-018641, basis weight of 78 gsm



**Data traceability: R2308-015812, basis weight of 60 gsm

Disclaimer:

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Test methods

Item	Unit	Test method reference
% Tensile Improvement @ Fmax (MD, CD)	n/a	ExxonMobil method
Elongation @ Break (MD, CD)	%	ExxonMobil method
Handle-O-Meter	g	ExxonMobil method
Basis Weight	g/m ²	ExxonMobil method
Fiber Size	µm	ExxonMobil method

All data in this document have been tested by or on behalf of ExxonMobil



Bring your impossible

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances their business goals.



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