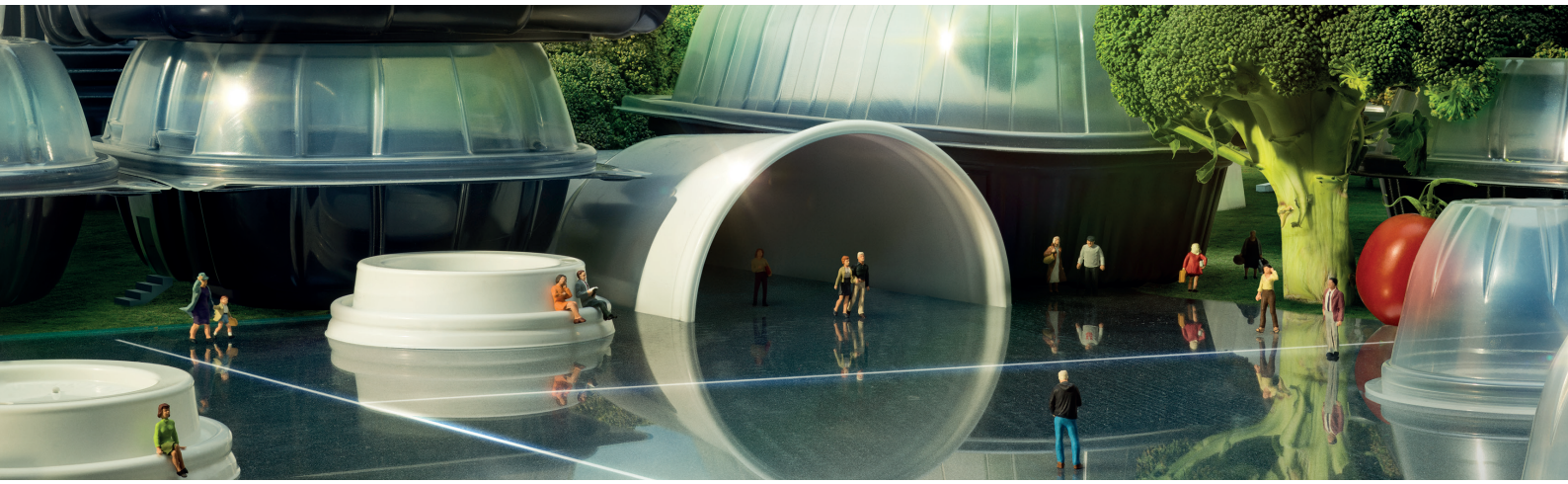
ExxonMobil
Signature Polymers

Factsheet



Exceed™ Flow PP

Remarkably rigid containers, cups and tubs

Challenge reality and rethink what's possible in packaging design.

- Up to 17% less material
- 12% faster cycle time
- High melt strength for sag resistance
- Reusable and recyclable*

Offering high melt strength, Exceed™ Flow PP enables the economic production of thinner rigid packaging that is easier to thermoform and clear. The high stiffness provides downgauging opportunities while excellent processing can improve cycle times and offer higher output.

Create new packaging designs

Through collaboration, Exceed Flow high performance PP enables customers to create new packaging designs that are remarkably strong while retaining clarity. High stiffness and increased filler loading contribute to packaging solutions - that do more with less.

Packaging made with Exceed Flow high performance PP is microwaveable, dishwasher safe, reusable and widely recyclable, and is ideal for:

- **Retail food packaging** – like yogurt and baby food cups and containers at supermarket stores
- **Food service containers** – like takeout containers, fast food cups and hot drink lids at convenience stores and restaurants

Enhanced processing

In thermoforming applications, the unique molecular design enables faster forming cycle times to maximize throughput. In deep draw applications, the high melt strength helps to minimize sag, resulting in fewer part defects and sheet variations.

With Exceed Flow high performance PP, converters can downgauge wall thickness, boost part stiffness, and increase regrind and filler components.

* Recyclable in those communities where appropriate collection and recycling facilities exist

Figure 1:

Selected processing data for Exceed™ Flow PP6282NE2 and a reference competitive thermoforming grade in 16oz drink cups demonstrates significant productivity improvements.

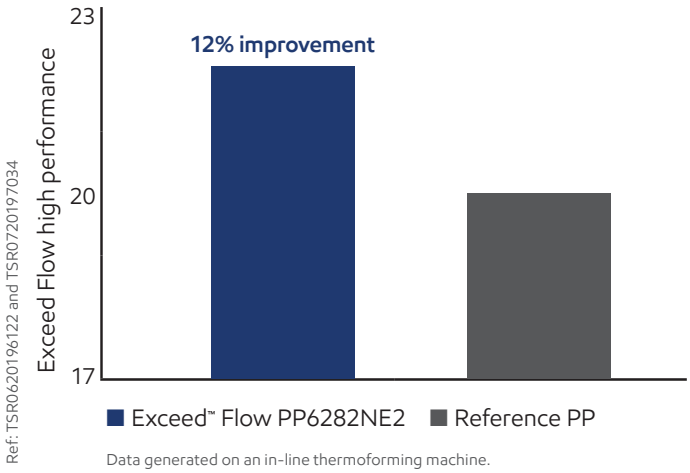
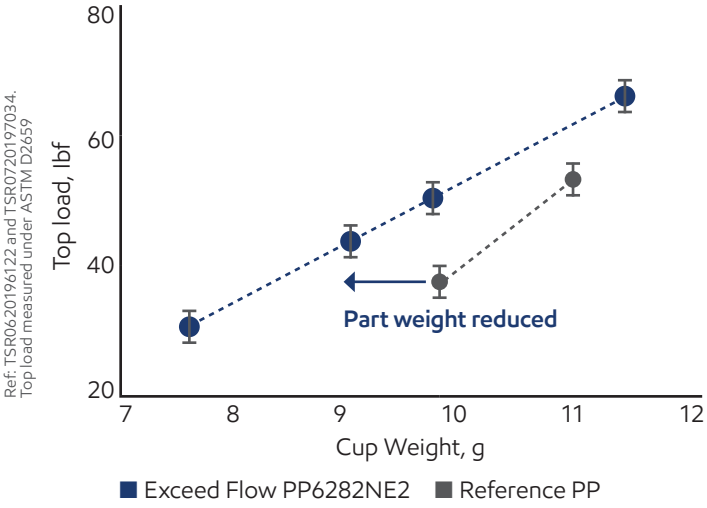


Figure 2:

Selected processing data for Exceed Flow PP6282NE2 and a reference competitive thermoforming grade in 16oz drink cups demonstrates up to 20% material savings.



Grade	**MFR** (230°C/2.16 kg) - g/10 min	**Flexural modulus** 1% secant (MPa / psi)	**Notched Izod impact** (23°C) (J/m | ft·lb/in)	**HDT** at 66 psi unannealed (°C/°F)
Exceed Flow PP6282NE2	1.8	2070 / 300000	47 / 0.88	120 / 248
	ASTM D1238	ASTM D790A	ASTM D256	ASTM D648

Values given are typical and should not be interpreted as specifications. Data generated by or on behalf of ExxonMobil Chemical.
Test methods are based on the ASTM standards.

Use Exceed Flow high performance PP to challenge reality in packaging design.

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
Achieve™ Advanced PP6282NE2	Exceed™ Flow PP6282NE2

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