

Remarkably rigid containers, cups and tubs

Energy lives here

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, Achieve™ Advanced polypropylene (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, Achieve Advanced 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 Achieve Advanced 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 Achieve Advanced 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 Achieve™ Advanced PP 6282NE2 and a reference competitive thermoforming grade in 16oz drink cups demonstrates significant productivity improvements.

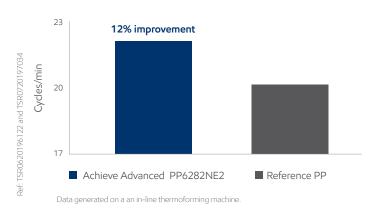
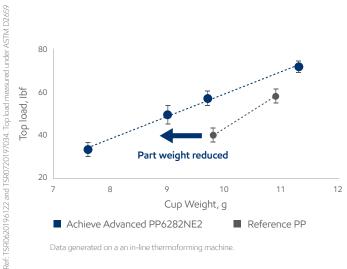


Figure 2:

Selected processing data for Achieve Advanced PP 6282NE2 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)
Achieve Advanced 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 Achieve™ Advanced PP to challenge reality in packaging design.

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