



# Automotive foamed A-Pillar covers with recycled materials

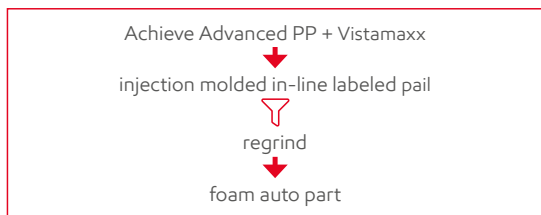
Energy lives here™



**Foamed injection molded A-Pillar covers, in automotive, made from post industrial recycled pails.**

Even after recycling, the combination of Achieve™ Advanced PP and Vistamaxx™ performance polymers ensures the required performance is delivered.

**Challenge reality and rethink what's possible**



- Lightweight
- Recyclable where appropriate facilities exist
- High stiffness with high impact performance

## Achieve Advanced PP7123KNE1

MFR (230°C/2.16 kg) - g/10 min	Tensile strength at yield MPa	Flexural modulus 1% secant (2.0 mm/min) - MPa	Notched Izod impact (RTNI) (23°C) - kJ/m <sup>2</sup>	Gardner gloss (60°)
11	30.8	1680	6.9	89
ASTM D1238	ISO 527-2/50	ISO 178	ISO 180/1A	ASTM D523

Values given are typical and should not be interpreted as specifications. Data generated by or on behalf of ExxonMobil Chemical, cited from product datasheet version of 01/01/2017.

## Vistamaxx 6202

MFR 230°C/ 2.16 kg ExxonMobil method g/10 min	Density <sup>1</sup> ASTM D1505, g/cm <sup>3</sup>	Hardness ASTM D2240, shore D/A	Flex mod <sup>1,2</sup> 1% secant ASTM D790 MPa (psi)	Vicat softening point 200 g ExxonMobil method, °C (°F)
20	0.862	64A	12.8 (1860)	45.2 (113)

1. All physical properties were measured on specimens cut from compression molded plaques per ASTM D4703, Procedure A, Type I and conditioned at 23°C for a minimum of 40 hours per ASTM D618 prior to testing.  
2. 1% secant at break.

Discover the full story:



ExxonMobil K2019 microsite:



Discover the properties and processability of Achieve Advanced PP and Vistamaxx in injection molding machines.

**Creating differentiated solutions. Together.**

For more information: [exxonmobilchemical.com/pp](http://exxonmobilchemical.com/pp)

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## Accelerate your performance in packaging.

### MODEL: GX 1100

- The new heavyweight in clamping force
- SPEED Option for extra fast clamping movements
- Higher plasticizing performance (through HPS barrier screw)

### EXPONAT:

20 l bucket refined with in-mold-labeling (IML)

### Partners

Calframax Technologies, Campetella Robotic Center, Creaprint, ExxonMobil Chemical Europe, mevisco, motan-colortronic, Moving, Uniform Color Company, iba, gwk Gesellschaft Wärme Kältetechnik, ef cooling



**Clamping force:** 11,000 kN

**Cavities:** 2

**Material:** PP

**Screw:** HPS Barrier 120 mm, 26D

**Shot weight:** 1500 g

**Cycle time:** 14 sec

**Automation:** Side-entry IML robot

**Digitalization:** APC plus, DataXplorer, Smart Operations

**KraussMaffei at K2019:**

**Hall 15 / B27**

**For more information: [www.kraussmaffei.com](http://www.kraussmaffei.com)**