

# Achieve™ Advanced PP6282NE1

## Polypropylene Homopolymer

### Product Description

A high melt strength homopolymer resin that provides uniform wall distribution in thin wall packaging applications and excellent processing characteristics in extrusion and thermoforming processes. Achieve™ Advanced PP6282NE1 has a broad processing window and can be run at fast cycle times.

### General

|                           |  |                                   |                   |
|---------------------------|--|-----------------------------------|-------------------|
| Availability <sup>1</sup> | ▪ Asia Pacific                                     | ▪ North America                   |                   |
| Features                  | ▪ Excellent Processability<br>▪ High Melt Strength | ▪ High Stiffness<br>▪ Homopolymer | ▪ Nucleated       |
| Uses                      | ▪ Cups<br>▪ Food Containers                        | ▪ Lids<br>▪ Packaging             | ▪ Rigid Packaging |
| Appearance                | ▪ Natural Color                                    |                                   |                   |
| Form(s)                   | ▪ Pellets  |                                   |                   |
| Processing Method         | ▪ Extrusion  | ▪ Sheet Extrusion                 | ▪ Thermoforming   |
| Revision Date             | ▪ 03/29/2017                                       |                                   |                   |

### Physical

|   | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|---|-------------------------|-------------------------|-------------------|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.8 g/10 min            | 1.8 g/10 min            | ASTM D1238        |
| Density                                   | 0.900 g/cm <sup>3</sup> | 0.900 g/cm <sup>3</sup> | ExxonMobil Method |

### Mechanical

|   | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|--------------------|---------------|
| Tensile Strength at Yield<br>2.0 in/min (51 mm/min)       | 5550 psi                | 38.3 MPa           | ASTM D638     |
| Elongation at Yield (2.0 in/min (51 mm/min))              | 7.7 %                   | 7.7 %              | ASTM D638     |
| Flexural Modulus - 1% Secant<br>0.051 in/min (1.3 mm/min) | 293000 psi              | 2020 MPa           | ASTM D790A    |
| 0.51 in/min (13 mm/min)                                   | 333000 psi              | 2300 MPa           | ASTM D790B    |

### Impact

|                                   | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------------|-------------------------|--------------------|---------------|
| Notched Izod Impact (73°F (23°C)) | 0.83 ft·lb/in           | 44 J/m             | ASTM D256A    |

### Thermal

|   | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|--------------------|---------------|
| Deflection Temperature Under Load (DTUL)<br>at 66psi - Unannealed | 241 °F                  | 116 °C             | ASTM D648     |

### Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

### Notes

Typical properties: these are not to be construed as specifications.

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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