Achieve™ Advanced PP6282NE2
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 PP6282NE2 has a broad processing window, can be run at fast cycle speeds, and provides good clarity, especially in deep draw applications.

General
- **Availability**: North America
- **Features**:
  - Excellent Processability
  - High Melt Strength
  - High Stiffness
  - Homopolymer
  - Nucleated
- **Uses**:
  - Cups
  - Food Containers
  - Lids
  - Packaging
- **Appearance**: Natural Color
- **Form(s)**: Pellets
- **Processing Method**:
  - Extrusion
  - Sheet Extrusion
  - Thermoforming
- **Revision Date**: 04/01/2020

Physical
<table>
<thead>
<tr>
<th>Property Description</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)</td>
<td>1.8 g/10 min</td>
<td>1.8 g/10 min</td>
<td>ASTM D1238</td>
</tr>
<tr>
<td>Density</td>
<td>0.900 g/cm³</td>
<td>0.900 g/cm³</td>
<td>ExxonMobil Method</td>
</tr>
</tbody>
</table>

Mechanical
<table>
<thead>
<tr>
<th>Property Description</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength at Yield 2.0 in/min (51 mm/min)</td>
<td>5660 psi</td>
<td>39.0 MPa</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Elongation at Yield (2.0 in/min (51 mm/min))</td>
<td>7.5 %</td>
<td>7.5 %</td>
<td>ASTM D638</td>
</tr>
<tr>
<td>Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)</td>
<td>312000 psi</td>
<td>2150 MPa</td>
<td>ASTM D790A</td>
</tr>
<tr>
<td></td>
<td>348000 psi</td>
<td>2400 MPa</td>
<td>ASTM D790B</td>
</tr>
<tr>
<td>Melt Strength (374°F (190°C))</td>
<td>36.0 cN</td>
<td>36.0 cN</td>
<td>ExxonMobil Method</td>
</tr>
</tbody>
</table>

Impact
<table>
<thead>
<tr>
<th>Property Description</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notched Izod Impact (73°F (23°C))</td>
<td>0.88 ft/lb/in</td>
<td>47 J/m</td>
<td>ASTM D256A</td>
</tr>
</tbody>
</table>

Thermal
<table>
<thead>
<tr>
<th>Property Description</th>
<th>Typical Value (English)</th>
<th>Typical Value (SI)</th>
<th>Test Based On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deflection Temperature Under Load (DTUL) at 66psi - Unannealed</td>
<td>248 °F</td>
<td>120 °C</td>
<td>ExxonMobil Method</td>
</tr>
</tbody>
</table>

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.

1 Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.
For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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