Polypropylene for Automotive and Compounding
Driving New Levels of Performance and Innovation
Braskem’s broad polypropylene (PP) portfolio meets the needs of today’s sophisticated automotive and compounding applications. Benefits from the proven performance that helps our customers add value to a wide range of innovative downstream solutions include:

- Reduced wall thickness enables using less raw material in achieving light-weighting solutions that lower transportation costs, improve fuel economy, and reduce emissions
- Unique balance of stiffness, toughness, and flowability offer exceptional competitive advantages for multiple end-uses
- Braskem targets joint technology and innovation platforms that enable our clients to meet and exceed stringent market demands.

Two technologically integrated centers located in Pittsburgh, Pa. and Triunfo, RS, Brazil employ more than 240 specialized professionals who work closely with customers on joint product and application development. These state-of-the-art facilities feature:

- Pilot-scale equipment that replicates customer production environments for more true-to-life polymer testing
- Compounding and applications operations that create innovative solutions to meet customer needs
- Catalyst labs that develop experimental polymers with enhanced physical properties
- On-site analytical labs that provide tools to understand performance requirements

We are focused on being responsive to our Global client needs with service levels and supply security unmatched by the competition. At the heart of this responsiveness is geographic diversity that provides reliable sourcing, with production facilities in North America, Germany, and Brazil.

We understand the importance of a competitive and dependable supply of high-quality products. Applications often come along that require new levels of performance. Braskem has the capability to provide the technical expertise and innovation that meets your product differentiation requirements.
**Unique 2000 Series Impact Copolymers**

The 2000 Series Impact Copolymers are designed to meet industry trends for higher levels of performance. Expand your compounding design freedom with the following product features:

- High Stiffness and flow performance
- Reduced emissions
- Low gels
- Suppressed tiger marking

**Broad offering of High Crystallinity Homopolymers**

Developed for the automotive compounding market, our high crystallinity homopolymers provide premium levels of stiffness, flowability, compounding flexibility, and performance:

- Wide range of melt flow rates
- Enabling higher HDT performance

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**Braskem Polyproplene**

**High Performance Impact Copolymers**

<table>
<thead>
<tr>
<th>Product</th>
<th>MFR (g/10min)</th>
<th>Flex Mod (psi)</th>
<th>N.Izod (ft-lb/in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TI12150C</td>
<td>15</td>
<td>235,000</td>
<td>1.5</td>
</tr>
<tr>
<td>TI2350C</td>
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<td>1.0</td>
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<td>TI2600C</td>
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<td>0.9</td>
</tr>
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<td>TI2900C</td>
<td>110</td>
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<tr>
<td>TI71000M</td>
<td>120</td>
<td>260,000</td>
<td>0.7</td>
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</tbody>
</table>

**Broad Range of High Melt Flow Impact Copolymers**

<table>
<thead>
<tr>
<th>Product</th>
<th>MFR (g/10min)</th>
<th>Flex Mod (psi)</th>
<th>N.Izod (ft-lb/in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C700-35N</td>
<td>35</td>
<td>220,000</td>
<td>1.2</td>
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<tr>
<td>C7100-50NA</td>
<td>50</td>
<td>138,000</td>
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</tr>
<tr>
<td>TI6800WV</td>
<td>80</td>
<td>155,000</td>
<td>2.3</td>
</tr>
<tr>
<td>TI4900M</td>
<td>115</td>
<td>210,000</td>
<td>0.7</td>
</tr>
</tbody>
</table>

**High Impact Copolymer**

<table>
<thead>
<tr>
<th>Product</th>
<th>MFR (g/10min)</th>
<th>Flex Mod (psi)</th>
<th>N.Izod (ft-lb/in)</th>
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</thead>
<tbody>
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<td>TI4003F</td>
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<td>210,000</td>
<td>NB</td>
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<tr>
<td>TI6035NB</td>
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<td>140,000</td>
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<tr>
<td>TI6200Q4</td>
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<td>115,000</td>
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<tr>
<td>TI6350WV</td>
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<td>135,000</td>
<td>4.2</td>
</tr>
<tr>
<td>C7079-25RNA</td>
<td>25</td>
<td>154,000</td>
<td>NB</td>
</tr>
</tbody>
</table>

**High Crystallinity Homopolymers**

<table>
<thead>
<tr>
<th>Product</th>
<th>MFR (g/10min)</th>
<th>Flex Mod (psi)</th>
<th>N.Izod (ft-lb/in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspire 6025N</td>
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<td>300,000</td>
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<tr>
<td>D218</td>
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<td>304,000</td>
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<tr>
<td>F350HC2</td>
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<td>300,000</td>
<td>0.4</td>
</tr>
<tr>
<td>F1000HC</td>
<td>115</td>
<td>300,000</td>
<td>0.3</td>
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</tbody>
</table>

**High Melt Flow Homopolymers**

<table>
<thead>
<tr>
<th>Product</th>
<th>MFR (g/10min)</th>
<th>Flex Mod (psi)</th>
<th>N.Izod (ft-lb/in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP450WV</td>
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<td>240,000</td>
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</tr>
<tr>
<td>CP1200B</td>
<td>126</td>
<td>180,000</td>
<td>0.3</td>
</tr>
</tbody>
</table>

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**We Are in Your Corner!**

**High MFR**

- C7100-50NA
- TI4900M
- TI2900C
- TI2150C
- TI4003F
- C7079-25RNA

**Aesthetics**

- TI12150C
- TI2350C
- TI2600C
- TI2900C
- TI71000M

**Toughness**

- C7100-50NA
- TI4900M
- TI2900C
- TI2150C
- TI4003F
- C7079-25RNA

**Stiffness**

- TI12150C
- TI2350C
- TI2600C
- TI2900C
- TI71000M

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**Among the Industry’s Broadest Impact Copolymer Portfolios**

Depend on Braskem to meet impact copolymer performance needs with a broad portfolio featuring:

- Broad range of melt flow rates
- High melt strength resins for target market opportunities
- Unmatched continuity throughout the design space of impact copolymers
Expanding the Boundaries of Compounds with High Toughness, High Flow Impact Copolymers

Braskem’s high toughness, high flow impact copolymers allow producers to explore the production of compounds previously unachievable. This evolution in Braskem’s portfolio aims to provide a greater balance of processability and toughness, which adds versatility and flexibility. Benefits include:

- Improved toughness impact copolymers for environments requiring very high impact resistance
- Enhanced properties at low viscosity for compounding flexibility and performance
- Exceptional cold temperature impact resistance
- Very high toughness for improved flexibility in downstream formulation development

Global Thermoplastics Leadership

Braskem is the largest producer of thermoplastic resins in the Americas and the world’s leading biopolymers producer, manufacturing green polyethylene from sugarcane-based ethanol. With 36 industrial plants in Brazil, the United States and Germany, the company produces over 35 billion pounds of thermoplastic resins and other petrochemicals per year, creating more environmental-friendly, intelligent and sustainable solutions through chemicals and plastics that improve people’s lives.

Braskem America is the leading producer of polypropylene in the United States, with five production plants located in Texas, Pennsylvania and West Virginia, and a Technology and Innovation Center in Pittsburgh. Headquartered in Philadelphia, Braskem America is a wholly owned subsidiary of Braskem S.A. For more information, visit www.braskem.com.

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Braskem locations:

Headquarters:
★ Philadelphia, PA

Innovation & Technology Center:
● Pittsburgh, PA

Manufacturing Units:
● Marcus Hook, PA
● Neal, WV
● Oyster Creek, TX
● La Porte, TX
● Seadrift, TX

Scan here and learn more about Braskem