



Polypropylene for Automotive and Compounding

Driving New Levels of Performance and Innovation

Braskem
New ways to look at the world

Surpassing Industry Standards with High Performance, Sustainable Polypropylene

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.



- 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

Reliable, Responsive Service and Supply

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.

Accelerating Innovation and Speed to Market

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:

Customer-driven Innovation

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

Braskem Polypropylene

High Performance Impact Copolymers

Product	MFR (g/10min)	Flex Mod (psi)	N.Izod (ft-lb/in)
TI2150C	15	235,000	1.5
TI2350C	40	235,000	1.0
TI2600C	66	235,000	0.9
TI2900C	110	235,000	0.7
TI71000M	120	260,000	0.7

Broad Range of High Melt Flow Impact Copolymers

C700-35N	35	220,000	1.2
C7100-50NA	50	138,000	2.3
TI6800WV	80	155,000	2.3
TI4900M	115	210,000	0.7

High Impact Copolymer

TI4003F	0.3	210,000	NB
TI6035NB	3.8	140,000	NB
TI6200Q4	20	115,000	NB
TI6350WV	35	135,000	4.2
C7079-25RNA	25	154,000	NB

High Crystallinity Homopolymers

Inspire 6025N	2.5	300,000	0.7
D218	8	304,000	0.6
F350HC2	35	300,000	0.4
F1000HC	115	300,000	0.3

High Melt Flow Homopolymers

FP450WV	45	240,000	0.3
CP1200B	126	180,000	0.3

We Are in Your Corner!

High MFR

Aesthetics



Toughness

Stiffness

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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USALocations

Headquarters:

- ★ Philadelphia, PA

Innovation & Technology Center:

- Pittsburgh, PA

Manufacturing Units:

- Marcus Hook, PA
- Neal, WV
- Oyster Creek, TX
- La Porte, TX
- Seadrift, TX

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