

**Polypropylene C715-12N HP**
**Sub-group:**

Impact Copolymer Resin

**Description:**

BRASKEM C715-12N HP Polypropylene Resin is a high performance impact copolymer developed particularly for injection moulding applications. BRASKEM C715-12N HP Polypropylene Resin allows for an outstanding balance of mechanical properties featuring exceptional stiffness and high impact strength, also at low temperatures. BRASKEM C715-12N HP Polypropylene Resin is an easy flow impact copolymer exhibiting up to 20% higher rigidity than conventional impact copolymers with similar flow and toughness.

**Applications:**

- Thin wall containers
- Containers and baskets
- Household and appliances components
- Automotive trim
- Toys
- Pails
- Packaging application
- Caps and closures

**Process:**

Injection moulding

**Regulatory Information:**

BRASKEM C715-12N HP Polypropylene Resin complies with

- European Commission Regulation (EU) No 10/2011
- U.S. FDA FCN 843.

The appropriate regulations should be consulted for more detailed information.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm <sup>3</sup>	0.900 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	12 g/10 min	12 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, Injection Molded)	4060 psi	24 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	8.0 %	8 %	ISO 527-2
Flexural Modulus (Injection Molded)	210000 psi	1450 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/eA
-4°F (-20°C), Injection Molded	2.1 ft·lb/in <sup>2</sup>	4.5 kJ/m <sup>2</sup>	
32°F (0°C), Injection Molded	2.9 ft·lb/in <sup>2</sup>	6 kJ/m <sup>2</sup>	
73°F (23°C), Injection Molded	4.8 ft·lb/in <sup>2</sup>	10 kJ/m <sup>2</sup>	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/B *
66 psi (0.45 MPa), Unannealed	212 °F	100 °C	
Vicat Softening Temperature	306 °F	152 °C	ISO 306/A *

Notes
These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

\* Injection Molded

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- c. use as a critical component in medical devices that support or sustain human life; or
- d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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**Additional Information:**

**E-mail: [europe.polypropylene@braskem.com](mailto:europe.polypropylene@braskem.com)**

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