



Data Sheet CG350N

Polypropylene **CG350N**

Sub-group:

Impact Copolymer

Description:

BRASKEM CG350N Polypropylene Resin is intended for use in injection molding processes where medium impact strength is required. CG350N Polypropylene Resin may also be used in cast film and sheet extrusion applications. The product contains a nucleating additive and exhibits a good mold fill-ability, high stiffness and fast set-up.

Applications:

- Industrial pails
- Thin wall containers
- Housewares
- Caps and closures
- films and tapes

Process:

Injection molding, cast film and sheet extrusion.

Properties:

Physical Properties ^{a)}	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	35 g/10 min	35 g/10 min	ISO 1133
Flexural Modulus (23°C)	217500 psi	1500 MPa	ISO 178
Tensile Stress at Yield	3900 psi	27 MPa	ISO 527-2
Tensile Strain at Yield	5.5 %	5.5 %	ISO 527-2
Charpy Impact Strength, notched (23°C)	3.4 ft·lb/in ²	7.2 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (0°C)	2.0 ft·lb/in ²	4.1 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20°C)	1.6 ft·lb/in ²	3.5 kJ/m ²	ISO 179/1eA
Heat Deflection Temperature (0.45 MPa)	221 °F	105 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	298 °F	148 °C	ISO 306/A

a) These are typical properties from injection molding specimen according to ISO 294 only and are not to be construed as specifications. Users should confirm results by their own tests.

Processing conditions:

BRASKEM CG350N is easy to process with common extrusion and injection molding equipment with conditions depending on the type of extrusion or injection molding conversion technology applied. Recommended melt temperature range for injection molding from 210 to 260°C and in extrusion from 200 to 230°C.

Storage:

Recommended storage is a cool, dry place protected from direct sunlight for maximum of 24 months after production.

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available to answer your questions and to provide reasonable technical support. Braskem product literature, including safety data sheets, should be consulted prior to use of Braskem products. Current safety data sheets are available from Braskem.

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