

Polypropylene CG700NA
Sub-group:

Impact Copolymer

Description:

BRASKEM CG700NA Polymer is a nucleated impact copolymer developed for thin wall packaging containers requiring excellent taste and odor performance. BRASKEM CG700NA Polymer combines high flow, short cycle times, good antistatic performance and an excellent balance of mechanical properties even at low temperatures.

Applications:

- Thin wall containers
- Thin wall packaging (margarine tubs, dairy product pots, ice cream containers)
- Lids
- Housewares
- Flower pots
- Cool boxes

Process:

High speed thin wall injection molding.

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)	70 g/10 min	70 g/10 min	ISO 1133
Flexural Modulus (23°C)	195800 psi	1350 MPa	ISO 178
Tensile Stress at Yield	3408 psi	23.5 MPa	ISO 527-2
Tensile Strain at Yield	4.5 %	4.5 %	ISO 527-2
Charpy Notched Impact Strength (23°C)	2.9 ft·lb/in ²	6 kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength (0°C)	1.9 ft·lb/in ²	4 kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength (-20°C)	1.7 ft·lb/in ²	3.5 kJ/m ²	ISO 179/1eA
Heat Deflection Temperature (0.45 MPa)	219 °F	104 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	293 °F	145 °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 CG700NA is easy to process with injection molding equipment with conditions depending on the type of injection molding conversion technology applied. Recommended melt temperature range for injection molding from 210 to 260°C.

Storage:

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

Customer Notice:

Braskem strongly encourages its customers to review both their manufacturing processes and their applications of Braskem products from the standpoint of human health and environmental quality to ensure that Braskem products are not used in ways for which they are not intended or tested. Braskem personnel are available to answer your questions and to provide reasonable technical support. Braskem product literature,