Braskem

Datasheet
10/2024

Polypropylene CD700NAQ

Description:

BRASKEM CD700NAQ is an impact copolymer developed especially for high speed thin wall injection molding. BRASKEM CD700NAQ has a very high melt flow rate and features excellent impact strength, even at low temperatures. It is designed and formulated to allow for simple processing, short cycle times, low shrinkage, minimal warpage and good part dimensional stability. The resin contains a very efficient antistatic package.

Additivation:

Nucleating Agent; Antistatic Agent

Applications:

Thin wall packaging, Thin wall containers, Caps & Closures, Houseware, Freezer applications

Processes:

Injection molding, Compounding

Typical Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	70
Density	ISO 1183-1	g/cm³	0.900
Flexural Modulus [a]	ISO 178	MPa	1200
Tensile Strength at Yield [a]	ISO 527-1	MPa	24.5
Tensile Elongation at Yield [a]	ISO 527-1	%	7
Notched Charpy Impact Strength at 23°C [a]	ISO 179	kJ/m²	8
Notched Charpy Impact Strength at 0°C [a]	ISO 179	kJ/m²	4.5
Notched Charpy Impact Strength at -20°C [a]	ISO 179	kJ/m²	3.5
Heat Deflection Temperature under Load at 0.455 MPa [a]	ISO 75-1/75-2	°C	89
Vicat Softening Temperature at 10 N [a]	ISO 306	°C	150

a) Injection molded specimen according to ISO 294.

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1. **Storage:**
   Recommended storage is a cool, dry place protected from direct sunlight. High temperatures and high atmospheric humidity during storage may have an impact on product performance.

2. **Disclaimer:**
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   - Current Safety Data Sheets are available from Braskem.
   - Braskem Netherlands B.V. strongly recommends before use, to consult the Safety Data Sheet.

   For regulatory information, please contact polymer.compliance-europe@braskem.com