Braskem

Datasheet
10/2024

Polypropylene C705-44NAHP

Description:

BRASKEM C705-44NAHP Polypropylene Resin is a high performance impact copolymer developed for thin wall injection molding. BRASKEM C705-44NAHP is a high melt flow rate impact copolymer featuring improved mechanical property balance combining superior stiffness, good impact resistance and excellent antistatic properties.

Additivation:

Nucleating Agent; Antistatic Agent

Applications:

Thin wall containers, Caps & Closures, Consumer Goods - Houseware

Processes:

Injection molding, Compounding

Typical Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	44
Density	ISO 1183-1	g/cm³	0.900
Flexural Modulus [a]	ISO 178	MPa	1500
Tensile Strength at Yield [a]	ISO 527-1	MPa	28
Tensile Elongation at Yield [a]	ISO 527-1	%	5
Notched Charpy Impact Strength at 23°C [a]	ISO 179	kJ/m²	7
Notched Charpy Impact Strength at 0°C [a]	ISO 179	kJ/m²	5
Notched Charpy Impact Strength at -20°C [a]	ISO 179	kJ/m²	4
Heat Deflection Temperature under Load at 0.455 MPa [a]	ISO 75-1/75-2	°C	100
Vicat Softening Temperature at 10 N [a]	ISO 306	°C	152

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