Braskem

Datasheet
10/2024

Polypropylene C711-70RNA

Description:

BRASKEM C711-70RNA Polymer is an impact copolymer developed especially for high speed thin wall injection molding. BRASKEM C711-70RNA Polymer has an very high melt flow rate and features excellent impact strength, even at low temperatures. BRASKEM C711-70RNA Polymer 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:

Antistatic

Applications:

Consumer Goods - Houseware, Thin wall containers, Thin wall packaging, Caps & Closures, Videocassette boxes, Boxes for frozen products

Processes:

Injection molding, Thin Wall Injection Molding

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	70

Typical Properties[a]

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	70
Density	1183-1	g/cm³	0.900
Flexural Modulus [a]	178	MPa	1250
Tensile Strength at Yield [a]	527-1	MPa	24
Tensile Elongation at Yield [a]	527-1	%	5
Notched Charpy Impact Strength at 23°C [a]	179	kJ/m²	8
Notched Charpy Impact Strength at 0°C [a]	179	kJ/m²	5.5
Notched Charpy Impact Strength at -20°C [a]	179	kJ/m²	4
Heat Deflection Temperature under Load at 0.455 MPa [a]	75-1/75-2	°C	95
Vicat Softening Temperature at 10 N [a]	306	°C	150

a) Injection molded specimen according to ISO 294.

Final Remarks

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
3. Any application information about the Product does not mean that Braskem knows or has validated the productive process of the Client/Purchaser or the adequacy of the Product for the intended application. All warranties of merchantability or fitness for a particular purpose, express or implied, are expressly excluded.
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6. The information contained herein is provided based on the best of Braskem's knowledge, indicating typical values of the properties of the Product, and such values shall not be considered absolute or as a guarantee.