

Polypropylene C711-70RNA
Subgroup:

Impact Copolymer

Description:

BRASKEM C711-70RNA Polypropylene Resin is a high performance impact copolymer especially for high speed thin wall injection moulding applications. BRASKEM C711-70RNA Polypropylene is a very high melt flow rate impact copolymer featuring excellent impact strength, even at low temperatures. Additional features of the grade are short cycle times, low shrinkage and warpage as well as good part dimensional stability. BRASKEM C711-70RNA Polypropylene Resin contains a very efficient antistatic package.

Applications:

- Thin wall packaging (margarine tubs, dairy product pots, ice cream containers/lids)
- Thin wall consumer goods e.g. Flower pots, Houseware, food boxes
- Caps & closures

Process:

- High speed thin wall injection moulding.

Physical	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

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, Injection Molded)	3480 psi	24.0 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	7.0 %	7 %	ISO 527-2
Flexural Modulus (Injection Molded)	181000 psi	1250 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/eA
-4°F (-20°C), Injection Molded	1.9 ft·lb/in ²	4 kJ/m ²	
32°F (0°C), Injection Molded	2.6 ft·lb/in ²	5.5 kJ/m ²	
73°F (23°C), Injection Molded	3.8 ft·lb/in ²	8 kJ/m ²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/B *
66 psi (0.45 MPa), Unannealed	203 °F	95 °C	
Vicat Softening Temperature	302 °F	150 °C	ISO 306/A *

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

* Injection Molded

