

**Data Sheet
H734-52RNA****Polypropylene H734-52RNA****Sub-group:**

Homopolymer

Description:

BRASKEM H734-52RNA Polypropylene Resin is a homopolymer developed for thin wall, high speed injection molding. BRASKEM H734-52RNA Polypropylene Resin is a high flow homopolymer with a good balance of physical properties. BRASKEM H734- 52RNA Polypropylene Resin contains a very efficient antistatic package and offers good transparency when required. BRASKEM H734-52RNA Polypropylene Resin is designed and formulated to allow for very easy processing, short cycle times, low shrinkage, minimal warpage and good part dimensional stability.

Applications:

- Thin wall food packaging
- Thin wall cosmetic packaging
- Housewares
- Appliances
- Caps & closures
- Videocassette boxes
- Office accessories & pens

Process:

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)	52 g/10 min	52 g/10 min	ISO 1133
Flexural Modulus (23°C)	246500 psi	1700 MPa	ISO 178
Tensile Stress at Yield	5370 psi	37 MPa	ISO 527-2
Tensile Strain at Yield	9 %	9 %	ISO 527-2
Charpy Notched Impact Strength (23°C)	1.2 ft·lb/in ²	2.5 kJ/m ²	ISO 179/1eA
Heat Deflection Temperature (0.45 MPa)	221 °F	105 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	306 °F	152 °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 H734-52RNA 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

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Notice:

- Braskem strongly recommends before use, to consult the Material Safety Data Sheet
- Inspire® is a trademark of Braskem SA
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