

Polypropylene BH-50

Subgroup:

Homopolymer Resin

Description:

BRASKEM BH-50 is a recommended homopolymer for high speed injection moulding. BRASKEM BH-50 is a high flow homopolymer allowing very easy processing with short cycle times. BRASKEM BH-50 offers a good balance of physical properties and a good transparency.

Applications:

- Thin wall food and cosmetic packaging
- Housewares
- Appliances
- Caps & closures

Regulatory Information:

BRASKEM BH-50 complies with:

- European Commission Regulation (EU) No 10/2011
- U.S. FDA 21 CFR 177.1520(c)1.1

The appropriate regulations should be consulted for more detailed information.

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)	50 g/10 min	50 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, Injection Molded)	5370 psi	38 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	9 %	9 %	ISO 527-2
Flexural Modulus (Injection Molded)	232000 psi	1625 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/eA
73°F (23°C), Injection Molded	1.2 ft·lb/in ²	2.5 kJ/m ²	

Notes

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

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- c. use as a critical component in medical devices that support or sustain human life; or
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Additional Information:

E-mail: europa.polypropylene@braskem.com

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