

Braskem

BC-50

Polypropylene BC-50

Sub-group:

Impact Copolymer Resin

Description:

BRASKEM BC-50 is a high impact copolymer recommended for thin wall injection moulding. BRASKEM BC-50 is a high melt flow rate impact copolymer featuring good mechanical properties balance combined with good stiffness, good impact resistance and excellent antistatic properties.

Applications:

- Thin wall containers for food
- Caps and closures
- Housewares

Regulatory Information:

BRASKEM BC-50 complies with:

- European Commission Regulation (EU) No 10/2011
- U.S. FDA FCN 843

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)	4060 psi	28 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	7 %	7 %	ISO 527-2
Flexural Modulus (Injection Molded)	210000 psi	1475 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	3.3 ft·lb/in ²	6.5 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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Additional Information:

E-mail: europe.polypropylene@braskem.com

This document is intended for use within Europe, published: 28th Jan 2013