



Data Sheet Developmental D382.01

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Sub-group:

Random copolymer

Description:

BRASKEM Developmental Random copolymer Resin D382.01 has been developed for injection molding of thin wall packaging and consumer containers e.g. food keeper boxes. BRASKEM D382.01 provides very high flowability, excellent optics, superior organoleptics (low taste & odor) and a very good balance of mechanical properties.

Applications:

- Thin Wall Packaging
- Thin Wall Consumer Goods e.g. Housewares, Media Packaging

Process:

- Injection Moulding, 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)	4350 psi	30 MPa	ISO 527-2
Flexural Modulus (Injection Molded)	154000 psi	1060 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	2.4 ft·lb/in ²	5 kJ/m ²	

Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Haze (39.4 mil (1000 µm), Injection Molded)	11 %	11 %	ASTM D1003

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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Regulatory Information:

Developmental D382.01 Performance Polymer complies with European Commission Regulation (EU) 10/2011.

The appropriate regulations should be consulted for more detailed information.

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