

**Developmental DH502.00**

Developmental Polypropylene Resin

**Subgroup:**

Homopolymer Resin

**Description:**

BRASKEM DH502.00 Developmental Polypropylene Resin is a homopolymer resin suitable for the use in spunbonded nonwovens production equipment. BRASKEM DH502.00 Developmental Polypropylene Resin can also be used in other Fiber spinning processes but also in Injection Moulding. BRASKEM DH502.00 Developmental Polypropylene Resin is a controlled rheology polypropylene offering excellent processability at melt temperatures between 220 and 280°C and is modified to resist gas fading.

**Applications:**

- Health and hygiene
- Carpet face yarns
- Geotextiles
- Upholstery
- Filtration
- Agricultural materials
- Protective clothing
- General injection molding articles

**Process:**

Non woven and Fiber spinning equipment and Injection Moulding.

**Regulatory Information:**

BRASKEM DH502.00 Developmental Polypropylene Resin complies with European Commission Regulation (EU) No 10/2011.

The appropriate regulations should be consulted for more detailed information.

<b>Physical</b>	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm <sup>3</sup>	0.900 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	25 g/10 min	25 g/10 min	ISO 1133

<b>Mechanical</b>	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus (Injection Moulded)	203000 psi	1300 MPa	ISO 178

<b>Impact</b>	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/eA
73°F (23°C), Injection Moulded	1.9 ft·lb/in <sup>2</sup>	2 kJ/m <sup>2</sup>	

<b>Notes</b>
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
- d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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**Additional Information:**

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**This document is intended for use within Europe, published: 22<sup>th</sup> October 2012**