



Data Sheet DH789.01

Developmental Polypropylene **DH789.01**

Sub-group:

Homopolymer

Description:

BRASKEM DH789.01 Developmental Polypropylene Resin is a homopolymer for injection molding, thin wall injection molding and high speed injection molding. This resin offers a good balance of physical properties and excellent organoleptics. BRASKEM DH789.01 Polypropylene Resin contains a very efficient antistatic and nucleation package and provides excellent optical properties. It 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 packaging e.g. food, cosmetics
- Caps & Closures
- Thin wall consumer goods e.g. housewares, appliances, video boxes, office accessories

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)	50 g/10 min	50 g/10 min	ISO 1133
Flexural Modulus (23°C)	246500 psi	1700 MPa	ISO 178
Tensile Stress at Yield	5365 psi	37 MPa	ISO 527-2
Tensile Strain at Yield	8 %	8 %	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)	216 °F	102 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	311 °F	155 °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 DH789.01 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.

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**Data Sheet
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