

Developmental Polypropylene DC7057.02

Sub-group:

Impact Copolymer

Description:

BRASKEM Developmental DC7057.02 resin is a Polypropylene impact copolymer developed for injection molding and extrusion applications. BRASKEM Developmental DC7057.02 resin features a good balance of mechanical properties, such as stiffness, toughness and processing properties.

Applications:

- Consumer goods, crates and boxes
- Household articles and caps & closures
- Tapes
- Cast Films

Process:

Injection molding and extrusion.

Properties:

Physical Properties ^{a)}	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (23°C)	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	8.5 g/10 min	8.5 g/10 min	ISO 1133
Flexural Modulus	159540 psi	1100 MPa	ISO 178
Tensile Stress at Yield	3625 psi	25 MPa	ISO 527-2
Tensile Strain at Yield	8 %	8 %	ISO 527-2
Charpy Impact Strength, notched (23°C)	3.8 ft·lb/in ²	8 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (0°C)	1.9 ft·lb/in ²	4 kJ/m ²	ISO 179/1eA
Charpy Impact Strength, notched (-20°C)	1.66 ft·lb/in ²	3.5 kJ/m ²	ISO 179/1eA
Heat Deflection Temperature (0.45 MPa)	174 °F	79 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	300 °F	149 °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 Developmental DC7057.02 resin is easy to process with common extrusion and injection molding equipment with conditions depending on the type of extrusion or injection molding conversion technology applied. Recommended melt temperature range for injection molding from 210 to 260°C and in extrusion from 200 to 230°C.

Storage:

Recommended storage is a cool, dry place protected from direct sunlight for maximum of 24 months after production.

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literature, including safety data sheets, should be consulted prior to use of Braskem products. Current safety data sheets are available from Braskem.

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Notice:

- Braskem strongly recommends before use, to consult the Material Safety Data Sheet
- Inspire® is a trademark of Braskem SA
- Braskem Netherlands B.V. registration details are: Braskem Netherlands B.V., Weena 240 / Tower C 9th Floor, 3012 NJ Rotterdam, The Netherlands Commercial Court Rotterdam No.: 24401995 Managing Directors: : Hans-Jürgen Buchmann; Alexander van Veen; Axel Maigatter. VAT Number: NL817054716B01
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This document is intended for use in Europe, published 14th August 2019.