Braskem

Data Sheet
H357-09RSB

Polypropylene **H357-09RSB**

Sub-group:
Homopolymer

Description:
BRASKEM H357-09RSB resin is a Polypropylene homopolymer suitable for high output, fast running cast film lines and injection molding processes. BRASKEM Polypropylene H357-09RSB is a controlled rheology resin optimized for easy film winding and cutting as well as good printability after corona treatment. Films based on Braskem Polypropylene H357-09RSB exhibit excellent optical film properties. Braskem Polypropylene H357-09RSB resin contains slip and antiblocking additives.

Applications:
- Food packaging (bakery, snacks)
- Textile packaging (shirts, hosiery, blankets, sweaters)
- Printed materials (books, magazines, journals, stationary)

Process:
Cast film and injection molding.

Properties:

Physical Properties [a]	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (23°C)	0.900 g/cm3	0.900 g/cm3	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	9.5 g/10 min	9.5 g/10 min	ISO 1133
Flexural Modulus	203000 psi	1400 MPa	ISO 178
Tensile Stress at Yield	4785 psi	33 MPa	ISO 527-2
Tensile Strain at Yield	10 %	10 %	ISO 527-2
Charpy Notched Impact Strength (23°C)	1.9 ft·lb/in²	4 kJ/m²	ISO 179/1eA
Heat Deflection Temperature (0.45 MPa)	183 °F	84 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	311 °F	155 °C	ISO 306/A
Melting Temperature	329 °F	165 °C	ISO 11357-3

[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.

Film Properties [b]	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength MD/TD	8100/6500 psi	56/45 MPa	ISO 527-3
Dart Drop Impact Strength	0.44 lb	200 g	ISO7765-1
Haze	<3 %	<3 %	ASTM D1003

[b] Measured on cast film, film thickness of 50 µm

Processing conditions:
BRASKEM H357-09RSB 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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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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For regulatory information, please contact **polymer.compliance-europe@braskem.com**. For other requests, please contact Braskem via e-mail address: **europe.polypropylene@braskem.com.**

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