Braskem Inspire

Datasheet
10/2024

Polypropylene INSPIRE 215

Description:

BRASKEM Inspire® 215 Performance Polymer is a homopolymer resin for sheet extrusion and subsequent thermoforming. BRASKEM Inspire®215 Performance Polymer has been specifically designed for applications requiring a superior stiffness/impact balance, high temperature resistance, excellent optical performance (clarity, gloss) and organoleptic properties.

Additivation:

Nucleating Agent; Antistatic Agent

Applications:

Health care and cleaning product, Transparent thermoformed packages for food, Pipes, Sheets and Profiles

Processes:

Thermoforming, Profile Extrusion

Typical Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	2.1
Density	ISO 1183-1	g/cm³	0.900
Flexural Modulus ª	ISO 178	MPa	1700
Tensile Strength at Yield ª	ISO 527-1	MPa	36
Tensile Elongation at Yield ª	ISO 527-1	%	10
Notched Charpy Impact Strength at 23°C ª	ISO 179	kJ/m²	5
Heat Deflection Temperature under Load at 0.455 MPa ª	ISO 75-1/75-2	°C	100
Vicat Softening Temperature at 10 N ª	ISO 306	°C	155

a) Injection molded specimen according to ISO 294.

Film Properties

Feature	Method	Units	Values
Haze	ASTM D 1003	%	2.5
Gloss 45°	ASTM D 2457	-	90

3) 30 µm thickness film, processed in a 50 mm screw diameter extruder with blow up ratio of 1,3:1 (MD=Machine Direction and TD=Transversal Direction)

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1. **Storage:**
   Recommended storage is a cool, dry place protected from direct sunlight. High temperatures and high atmospheric humidity during storage may have an impact on product performance.

2. **Disclaimer:**

   - Braskem Netherlands B.V. or any of its affiliates assumes no liability on the suitability of the product as described in this document for any intended use in any application unless separately agreed in a contract. All warranties or merchantability or fitness for a particular purpose are expressly excluded.
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3. **Customer Notice:**

   Braskem strongly encourages its customers to review both their manufacturing processes and their applications of Braskem products from a human health and environmental quality standpoint to ensure that Braskem products are not used in ways that are not intended or tested. Braskem product literature, including Safety Data Sheets, should be consulted prior to using Braskem products.

   - Current Safety Data Sheets are available from Braskem
   - Braskem Netherlands B.V. strongly recommends before use, to consult the Safety Data Sheet
   - Inspire® is a trademark of Braskem SA.

   For regulatory information, please contact polymer.compliance-europe@braskem.com