Braskem Inspire

Datasheet
10/2024

Polypropylene Inspire 114 EU

Description:

INSPIRE ® 114 EU is an polypropylene impact copolymer suitable for extrusion applications. It has an excellent balance of high stiffness and impact resistance, even at very low temperatures. Compared to conventional polypropylenes, the improved swell and sag properties and higher melt strength is worth to mention.

Applications:

Specialty Film - Blown, Corrugated Board, Pipes, Sheets and Profiles, Thermoformed parts, Automotive article, Blow molded parts

Processes:

Profile Extrusion, Compounding, Blow Molding, Thermoforming

Typical Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	0.5
Density	ISO 1183-1	g/cm³	0.900
Flexural Modulus ª	ISO 178	MPa	1500
Tensile Strength at Yield ª	ISO 527-1	MPa	28.5
Tensile Elongation at Yield ª	ISO 527-1	%	9
Notched Charpy Impact Strength at 23°C ª	ISO 179	kJ/m²	65
Notched Charpy Impact Strength at 0°C ª	ISO 179	kJ/m²	25
Notched Charpy Impact Strength at -20°C ª	ISO 179	kJ/m²	4.5
Heat Deflection Temperature under Load at 0.455 MPa ª	75-1/75-2	°C	95
Vicat Softening Temperature at 10 N ª	ISO 306	°C	155
OIT at 200ºC	ISO 11357-6	min	>25

a) Injection molded specimen according to ISO 294.

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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.

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   - Current Safety Data Sheets are available from Braskem
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   For regulatory information, please contact polymer.compliance-europe@braskem.com