

## Polypropylene INSPIRE 114

### Description:

Inspire® 114 EU Performance Polymer is a Propylene based resin very suitable for extrusion applications including blown films, sheets, profiles, pipes and blow molded containers. Inspire® 114 EU Performance Polymer has an excellent balance of high stiffness and impact resistance, even at low temperatures. Inspire® 114 EU Performance Polymer combines outstanding mechanical properties with superior processability due to its high melt strength delivering improved sag properties compared to conventional polypropylenes.

### Aplicações:

Film, Thermoforming, blown film, Films, Blow molding, Corrugated pipes, Pipes, Sheets and Profiles

### Processos:

General extrusion., Extrusion Thermoforming

### Control Properties

Característica	Método	Unidades	Valores
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	0.5

### Typical Properties

Característica	Método	Unidades	Valores
Density	1183-1	g/cm <sup>3</sup>	0.900
Flexural Modulus <sup>a</sup>	178	MPa	1500
Tensile Strength at Yield <sup>a</sup>	527-1	MPa	28.5
Tensile Elongation at Yield <sup>a</sup>	527-1	%	9
Notched Charpy Impact Strength at 23°C <sup>a</sup>	179	kJ/m <sup>2</sup>	65
Notched Charpy Impact Strength at 0°C <sup>a</sup>	179	kJ/m <sup>2</sup>	25
Notched Charpy Impact Strength at -20°C <sup>a</sup>	179	kJ/m <sup>2</sup>	4.5
Heat Deflection Temperature under Load at 0.455 MPa <sup>a</sup>	75-1/75-2	°C	95
Vicat Softening Temperature at 10 N <sup>a</sup>	306	°C	155
OIT at 200°C	11357-6	min	>25 min

a) Injection molded specimen according to ISO 294.

#### 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:

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- Current Safety Data Sheets are available from Braskem
- Braskem Netherlands B.V. strongly recommends before use, to consult the Safety Data Sheet

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