

# INSPIRE™ 364

Polypropylene

Braskem Europe GmbH

## Message:

INSPIRE™ 364 Performance Polymer has been developed for thin wall injection moulding applications.

INSPIRE™ 364 Performance Polymer is characterized by:

Improved taste and odor performance

Good balance of stiffness and impact properties

Good optical properties,

Good processability.

Applications for INSPIRE™ 364 Performance Polymer:

Thin wall injection moulding

Housewares

Media packaging

Caps and closures

Regulatory Information:

INSPIRE™ 364 Performance Polymer should comply with:

U.S. FDA 21 CFR 177.1520(c)3.1a

European Commission Regulation (EU) No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings		EU No 10/2011	
		FDA 21 CFR 177.1520(c) 3.1a	
Forms		Pellets	
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	42	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	94		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	28.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	12	%	ISO 527-2
Flexural Modulus (Injection Molded)	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C, Injection Molded	2.0	kJ/m <sup>2</sup>	
23°C, Injection Molded	6.2	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>1</sup> (0.45 MPa, Unannealed)	83.0	°C	ISO 75-2/B
Vicat Softening Temperature <sup>2</sup>	127	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method

Haze (Injection Molded)	12	%	ASTM D1003
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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