

INSPIRE™ 382

Polypropylene Random Copolymer

Braskem Europe GmbH

Message:

INSPIRE* 382 Performance Polymer has been developed for injection molding of thin wall packaging containers and food savers. INSPIRE* 382 Performance Polymer has been designed for applications where excellent optics and superior taste and odor performance are required.

Main Characteristics

Excellent optics

Excellent taste and odor

Very good balance of mechanical properties

Complies with:

Europe EU-Directive 2002/72/EC

Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	30.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	13	%	ISO 527-2
Flexural Modulus (Injection Molded)	1060	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C, Injection Molded	2.0	kJ/m ²	
23°C, Injection Molded	5.2	kJ/m ²	
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm, Injection Molded)	11	%	ASTM D1003

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