

INSPIRE™ 114 EU

Polypropylene
Braskem Europe GmbH

Message:

INSPIRE™ 114 Performance Polymer EU is a propylene based resin very suitable for extrusion applications including blown film, sheet, profiles, pipe and blow molding.

INSPIRE™ 114 Performance Polymer EU has a very high stiffness and excellent impact resistance, even at low temperatures. INSPIRE™ 114 Performance Polymer EU combines outstanding mechanical properties with superior processability due to its high melt strength.

INSPIRE™ 114 Performance Polymer EU has improved swell and sag properties compared to conventional polypropylenes.

Applications for INSPIRE™ 114 Performance Polymer EU:

Film applications

Sheet and profile extrusion

Thermoforming

Pipes

Blow molding

Complies with:

U.S. FDA FCN 843

Consult the regulations for complete details

General Information			
Agency Ratings	FDA FCN 843		
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)	0.50	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1550	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	31.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	9.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, Injection Molded	8.0	kJ/m ²	
0°C, Injection Molded	30	kJ/m ²	
23°C, Injection Molded	68	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Vicat Softening Temperature ²	152	°C	ISO 306/A
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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