

INSPIRE™ 361

Polypropylene

Braskem Europe GmbH

Message:

INSPIRE™When 361 high-performance polymers, it is specially developed for film extrusion processing. INSPIRE™361 high-performance polymers have the characteristics of high transparency.

INSPIRE 361 application fields of high-performance polymers:

Film

shrink film

regulatory information

INSPIRE™361 high-performance polymers should meet the following regulatory requirements:

EU directive 2002/72/EC

FDA Regulation 21 CFR 177.1520(c) 3.1a

please check the applicable regulations for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Tensile Modulus			ISO 527-3
1% secant, MD: 50 µm, blown film	810	MPa	ISO 527-3
1% secant, TD: 50 µm, blown film	790	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Broken, 50 µm, blown film	47.0	MPa	ISO 527-3
TD: Broken, 50 µm, blown film	32.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 50 µm, blown film	580	%	ISO 527-3
TD: Broken, 50 µm, blown film	500	%	ISO 527-3
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature ²	129	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Blown Film)	80		ASTM D2457
Haze (50.0 µm, Blown Film)	3.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	230	°C	

Extrusion instructions

吹塑薄膜的制造条件:

模具间隙:1.0 mm

熔体温度:230°C

放大比:2.5:1

NOTE

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| 1. | Injection Molding |
| 2. | Injection Molding |

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