

INSPIRE™ 227

Polypropylene

Braskem Europe GmbH

Message:

INSPIRE™227 high-performance polymer combines good processing performance, excellent stiffness and low crystal point content, and is used for extrusion processing of high-quality films.

Main features:

Excellent stiffness

High temperature resistance

low crystal point content

good processing performance

good optical performance

Comply with the following regulations:

EU, No 10/2011

please consult the regulations for complete details.

General Information			
Agency Ratings	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Puncture Energy (50 µm)	0.500	J	ASTM D5748
Film Puncture Force (50 µm)	42.0	N	ASTM D5748
secant modulus			ASTM D882
2% secant, MD: 50 µm	1170	MPa	ASTM D882
2% secant, TD: 50 µm	1140	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm	27.0	MPa	ASTM D882
TD: Yield, 50 µm	41.0	MPa	ASTM D882
MD: Break, 50 µm	38.0	MPa	ASTM D882
TD: Break, 50 µm	39.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 50 µm	250	%	ASTM D882
TD: Break, 50 µm	6.0	%	ASTM D882
Dart Drop Impact (50 µm)	50	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	14	g	ASTM D1922
TD : 50 µm	24	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	162 - 166	°C	Internal method

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	32		ASTM D2457
Haze (50.0 µm)	23	%	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 比 1

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

