

Rilsan® BMNO SG FILAGE

Polyamide 11

Arkema

Message:

Rilsan ® BMNO SG FILAGE is a polyamide 11 produced from a renewable source. This natural grade is particularly suitable for textile applications.

MAIN APPLICATIONS

Fibers.

General Information			
Features	Renewable Resource Content		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Molding Shrinkage	Internal Method		
Across Flow : 30°C, 24 hr, 2.00 mm	0.80	%	
Flow : 30°C, 24 hr, 2.00 mm	0.40	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness	ISO 868		
Shore D	75		
Shore D, 15 sec	68		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1280	MPa	ISO 527-2
Tensile Stress	ISO 527-2		
Yield	41.0	MPa	
Break	58.0	MPa	
Tensile Strain	ISO 527-2		
Yield	5.0	%	
Break	> 200	%	
Flexural Modulus	1140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	ISO 179		
-30°C	4.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength	ISO 179		
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	189	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11, M, 12-010		ISO 1874

Renewable Carbon Content	100	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	
Melt Temperature	240 to 270	°C	

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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

