

Rilsan® BESVOA MED

Polyamide 11

Arkema

Message:

Rilsan ® BESVOA MED is a polyamide produced from a renewable source. This natural grade, dedicated to extrusion, contains a negligible amount of oligomers. Rilsan ® BESVOA MED offers the highest quality and it is specifically designed to meet the stringent requirements of the medical applications such as minimally invasive devices. Upon request letters regarding USP Class VI compliance can be provided.

MAIN APPLICATIONS

- Nutritional bags.
- Catheters.

General Information			
Features	Renewable Resource Content		
Uses	Bags		
	Medical/Healthcare Applications		
Agency Ratings	USP Class VI		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	76		
Shore D, 15 sec	71		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1180	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	36.0	MPa	
Break	52.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 200	%	
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	13	kJ/m ²	
23°C	15	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	186	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11, E, 22-010		ISO 1874
Renewable Carbon Content	100	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Drying Temperature	65.0 to 80.0	°C	
Drying Time	4.0 to 6.0	hr	
Melt Temperature	230 to 280	°C	

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