

Rilsan® BESN Noir P123

Polyamide 11

Arkema

Message:

Rilsan ® BESN NOIR P123 is a flexible polyamide 11 produced from a renewable source. This grade is designed for extrusion, typically for cooling applications and for Adblue circuits (SCR).

MAIN APPLICATIONS

Cooling application

Adblue circuits (SCR).

General Information			
Features	Good Flexibility		
	Renewable Resource Content		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	25.0	MPa	
Break	43.0	MPa	
Tensile Strain			ISO 527-2
Yield	33	%	
Break	> 200	%	
Flexural Modulus	550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	25	kJ/m ²	
23°C	100	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	189	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
Hoop Stress			
23°C	24.0	MPa	
130°C	6.50	MPa	
Renewable Carbon Conent	> 98	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 8.0	hr	
Melt Temperature	260 to 290	°C	

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Recommended distributors for this material

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