

RILSAN®

BESN BLACK P123 TL

PA11, EHLN, 22-010

Rilsan® BESN BLACK P123 TL resin is a flexible polyamide 11 produced from a renewable source. This black grade is designed for extrusion typically for cooling application and for Adblue circuits (SCR).

The pourcentage of renewable carbon (calculated) is 67% (Value obtained from **a calculation** based on the composition of the raw material that are used to manufacture the product. Arkema has not made a specific measure on the product).

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Yield stress	- / 25	MPa	ISO 527-1/-2
	- / 3630	psi	
Yield strain	- / 33	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Charpy Notched Impact Strength, +23°C	- / 100	kJ/m²	ISO 179/1eA
	- / 47.6	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 25	kJ/m²	ISO 179/1eA
	- / 11.9	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1000 / 1000	kg/m³	ISO 1183
	1 / 1	g/cm³	
%Bio-Based	67	-	ASTM D6866

MAIN APPLICATIONS:

- Cooling application
- Adblue circuits (SCR)

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

SHELF LIFE:

Two years from the delivery. For any use above this limit, please refer to our technical services.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 260°C / 275°C / 290°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

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PROCESSING Profile Extrusion, Other Extrusion, Blow Molding	
DELIVERY FORM Pellets	
SPECIAL CHARACTERISTICS Bio-Based, Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	