

RILSAN® BESN BLACK TL

PA11, EHL, 22-010

Rilsan® BESN BLACK TL resin is a polyamide 11 produced from a renewable source. This black grade is designed for extrusion.

The percentage of renewable carbon according to ASTM D 6866 (calculated) is **>97%**.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1420	MPa	ISO 527-1/-2
Yield stress	- / 41	MPa	ISO 527-1/-2
Yield strain	- / 5	%	ISO 527-1/-2
Nominal Strain at Break	- / > 50	%	ISO 527-1/-2
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 10	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 12	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	186 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Water Absorption	1.9 / *	%	Sim. to ISO 62
Density	1020 / 1020	kg/m ³	ISO 1183
%Bio-Based	97	-	ASTM D6866

MAIN APPLICATIONS:

- Fluid transportation
- Metal tubing sheathing

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags, 44 lb 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) : 230°C / 250°C / 280°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

PROCESSING

Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion

SPECIAL CHARACTERISTICS

Bio-Based, Heat Stabilized, Light Stabilized

Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

RILSAN®
BY **ARKEMA**

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SBC/11-2018

RILSAN® BESN BLACK TL

DELIVERY FORM

Pellets

ADDITIVES

Lubricants

REGIONAL AVAILABILITY

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790
SIC/11-2018

Please consult Arkema's disclaimer regarding the use of Arkema's products on
<https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

Rilsan® is a registered trademark of Arkema
© 2022 Arkema Inc. All rights reserved.

[rilsan.com](https://www.rilsan.com)

Arkema Inc. – Technical Polymers

900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
[arkema-america.com](https://www.arkema-america.com)

RILSAN®
BY ARKEMA

Headquarters: Arkema France

420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
[arkema.com](https://www.arkema.com)