

RILSAN® BZM 8 0 T3L

PA11, MHLR, 18-030, GF8

Rilsan® BZM 8 0 T3L is a fiberglass reinforced polyamide 11 produced from a renewable source. This natural grade is designed for injection. This grade has been engineered and stabilized to improve color stability.

The percentage of **renewable carbon is 97%** (calculated value, based on ASTM D6866).
Note that this document is a temporary technical data sheet.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	15 / *	cm³/10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 2300	MPa	ISO 527-1/-2
Stress at Break	- / 56	MPa	ISO 527-1/-2
Strain at Break	- / 26	%	ISO 527-1/-2
Shore D Hardness, 15s	73 / *	-	ISO 7619-1
Charpy Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 12	kJ/m²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 7.8	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1080 / 1080	kg/m³	ISO 1183
%Bio-Based	97	-	ASTM D6866

MAIN APPLICATIONS:

- Spring for quick connectors
- Outsoles

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.

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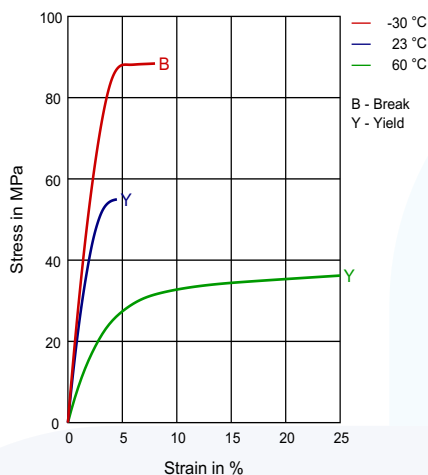
RILSAN®
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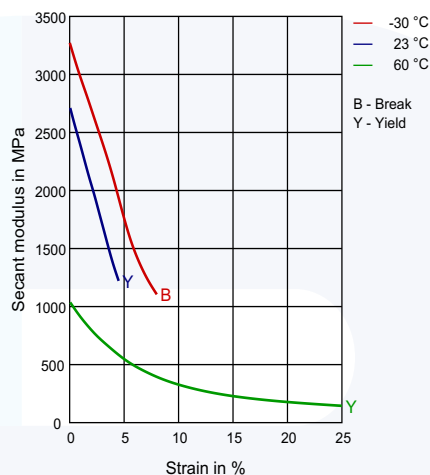
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DIAGRAMS

STRESS-STRAIN



SECANT MODULUS-STRAIN



Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 250°C / 270°C / 290°C.
- Mold temperature : 40 - 90°C

- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80-90°C.

PROCESSING

Injection 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

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