

RILSAN®

BZM 8 O T3L

PA11, MHLR, 18-030, GF8

Rilsan® BZM 8 O 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.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	15 / *	cm³/10min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	
Load	5 / *	kg	-
	11 / *	lb	
MECHANICAL PROPERTIES			
Tensile Modulus	- / 2300	MPa	ISO 527-1/-2
	- /	psi	
Stress at Break	334000	MPa	ISO 527-1/-2
	- / 56	psi	
	- / 8120	psi	
Strain at Break	- / 26	%	ISO 527-1/-2
Shore D Hardness	73 / *	-	ISO 868
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
	- / 5.71	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 7.8	kJ/m²	ISO 179/1eA
	- / 3.71	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1080 / 1080	kg/m³	ISO 1183
	1.08 / 1.08	g/cm³	
%Bio-Based	97	-	ASTM D6866

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MAIN APPLICATIONS:

- Spring for quick connectors
- Outsoles

PACKAGING:

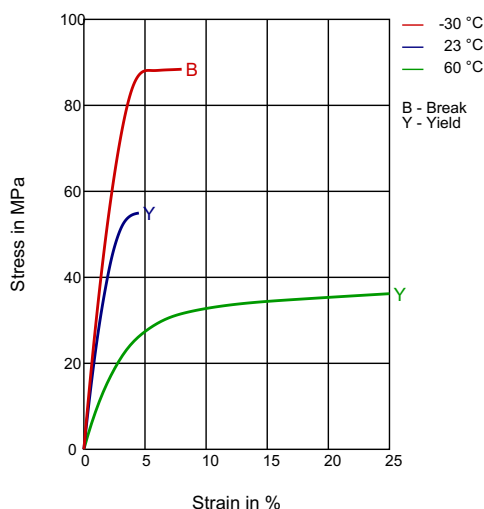
This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

SHELF LIFE:

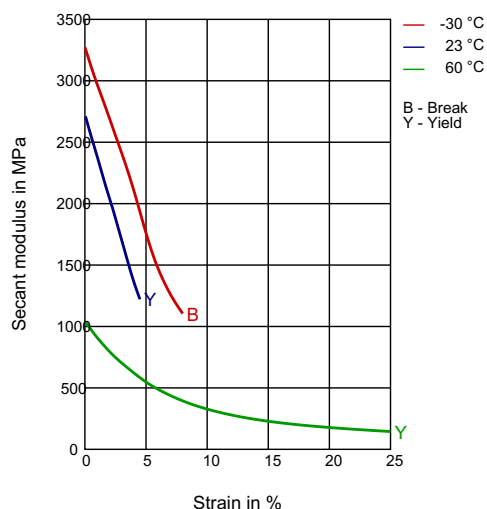
Two years from the delivery. For any use above this limit, please refer to our technical services.

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.

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PROCESSING Injection Molding	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 arkema.com Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
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	