

TECHNICAL DATA SHEET

RILSAN® BZM 8 O T3L

POLYAMIDE 11 PELLET

RILSAN® BZM 8 O T3L is a polyamide 11 compound. It is produced from a renewable & sustainable source (castor oil). This natural glass fiber reinforced grade is designed for injection molding. It has a superior color stability, which makes particularly adapted to consumer applications.

Designation : ISO 16396 - PA11, GF8, M1G1HLR, C18-030

DESIGNATION

PA11-GF8

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

ADDITIVES

- Heat Stabilized
- Light Stabilized

RHEOLOGICAL PROPERTIES

속성	값	테스트 표준
Shrinkage, Parallel (t+24h)	1.1 %	ISO 294-4
Shrinkage, Normal (t+24h)	0.8 %	ISO 294-4
Melt volume flow rate (MVR), 235°C / 5 kg (455°F / 11 lb)	15 cm³/10min	ISO 1133

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
Flexural modulus, 23°C (73°F)	- / 1850 MPa	ISO 178
Tensile modulus, 23°C (73°F), 1 mm/min	2200 / 2200 MPa	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	/ 26 %	ISO 527-1/-2
Stress at break, 23°C (73°F), 50 mm/min	/ 56 MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 12 kJ/m²	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 7.8 kJ/m²	ISO 179 1eA
Charpy unnotched impact strength, 23°C (73°F)	- / No Break	ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	- / No Break	ISO 179 1eU
Hardness, Shore D, 15 s	- / 73	ISO 868

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

RILSAN® BZM 8 0 T3L

속성	값	테스트 표준
Melting temperature, 10°C/min	189 °C	ISO 11357-1/-3

OTHER PROPERTIES

속성	값	테스트 표준
Specific gravity, 23°C (73°F)	1.08 g/cm ³	ISO 1183-1
Bio-based carbon content, Measured	100 %	ASTM D6866

PACKAGING

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:

- 26 kg / 55 lb bags

SHELF LIFE

Two years from the date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

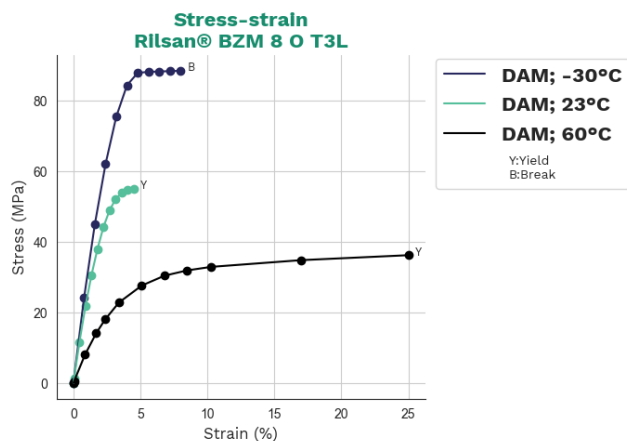
PROCESSING CONDITIONS:

- Typical melt temperature (Min / Recommended / Max) - Injection Molding: 250°C / 270°C / 290°C (480°F / 520°F / 555°F)
- Typical mold temperature - Injection molding: 40-90°C (105-195°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours

SPECIAL CHARACTERISTICS

- Bio-based
- Low oligomers

DIAGRAMS



Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

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