

TECHNICAL DATA SHEET

RILSAN® BZM 8 O TL

POLYAMIDE 11 PELLET

RILSAN® BZM 8 O TL 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 and is used to produce automotive fittings & quick connectors.

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

DESIGNATION

PA11-GF8

MAIN APPLICATIONS

- Footwear - Outsole/Components
- Outdoor - Equipment - Growth
- Outdoor - Equipment/Bicycle/Racket
- Other Sport Equipment
- Industry - Distribution
- Auto - Fluid Connectors

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

ADDITIVES

- Heat Stabilized
- Light Stabilized

RHEOLOGICAL PROPERTIES

| プロパティ | 価値 | テスト基準 |
|---|---------------------------|-----------|
| Shrinkage, Parallel (t+24h) | 1.1 % | ISO 294-4 |
| Shrinkage, Normal (t+24h) | 0.9 % | ISO 294-4 |
| Melt volume flow rate (MVR), 235°C / 5 kg (455°F / 11 lb) | 18 cm ³ /10min | ISO 1133 |

MECHANICAL PROPERTIES

| プロパティ | DRY / COND VALUE* | テスト基準 |
|---|--------------------------|--------------|
| Tensile modulus, 23°C (73°F), 1 mm/min | 2200 / 2200 MPa | ISO 527-1/-2 |
| Flexural modulus, 23°C (73°F) | - / 1850 MPa | ISO 178 |
| Charpy unnotched impact strength, 23°C (73°F) | - / 93 kJ/m ² | ISO 179 1eU |
| Charpy unnotched impact strength, -30°C (-22°F) | - / 88 kJ/m ² | ISO 179 1eU |
| Charpy notched impact strength, 23°C (73°F) | - / 10 kJ/m ² | ISO 179 1eA |
| Charpy notched impact strength, -30°C (-22°F) | - / 5 kJ/m ² | ISO 179 1eA |
| Hardness, Shore D, 15 s | - / 73 | ISO 868 |

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

RILSAN® BZM 8 0 TL

THERMAL PROPERTIES

| プロパティ | 価値 | テスト基準 |
|-------------------------------|--------|----------------|
| Melting temperature, 10°C/min | 189 °C | ISO 11357-1/-3 |

OTHER PROPERTIES

| プロパティ | 価値 | テスト基準 |
|-------------------------------|------------------------|------------|
| Specific gravity, 23°C (73°F) | 1.07 g/cm ³ | ISO 1183-1 |

包装

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

- 25 kg / 55 lb bags

賞味期限

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.

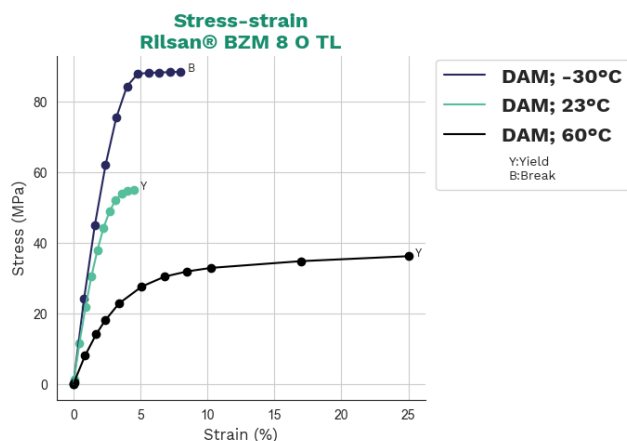
PROCESSING CONDITIONS:

- 典型的な溶融温度 (最小 / 推奨 / 最大) - 射出成形: 250°C / 270°C / 290°C (480°F / 520°F / 555°F)
- 典型的な金型温度 - 射出成形: 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



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