

TECHNICAL DATA SHEET RILSAN® 8020

COPOLYAMIDE PELLET

RILSAN® 8020 is a translucent flexible copolyamide based on renewable resources and without plasticizer. This grade is specially designed for medical applications.

DESIGNATION

PA*

MAIN APPLICATIONS

- Health - Consumable - Others
- Health - Consumable - Catheters

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
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
Nominal strain at break, 23°C (73°F), 50 mm/min	- / > 50 %	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	- / 21 %	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 24 MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	No Break / No Break	ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 1150 MPa	ISO 178
Charpy notched impact strength, -30°C (-22°F)	- / No Break	ISO 179 1eA

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

THERMAL PROPERTIES

プロパティ	価値	テスト基準
Melting temperature, 10°C/min	172 °C	ISO 11357-1/-3

OTHER PROPERTIES

プロパティ	価値	テスト基準
Bio-based carbon content, Measured	100 %	ASTM D6866
Water absorption, 23°C(73°F), immersion, equilibrium	0.8 %	ISO 62
Specific gravity, 23°C (73°F)	1.02 g/cm ³	ISO 1183-1

RILSAN® 8020

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:

- 典型的な熔融温度 (最小 / 推奨 / 最大) - 射出成形: 260°C / 280°C / 300°C (500°F / 535°F / 570°F)
- 典型的な金型温度 - 射出成形: 20-80°C (70-175°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours

SPECIAL CHARACTERISTICS

- Bio-based

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