

## 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\*

#### DELIVERY FORM

- Pellets

#### TRANSFORMATION PROCESSES

- Injection Molding

### MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
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.

속성	값	테스트 표준
Melting temperature, 10°C/min	172 °C	ISO 11357-1/-3

### OTHER PROPERTIES

속성	값	테스트 표준
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/cm³	ISO 1183-1

### PACKAGING

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

- 26 kg / 55 lb bags

# RILSAN® 8020

## 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: 260°C / 280°C / 300°C (500°F / 535°F / 570°F)
- Typical mold temperature - Injection molding: 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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