

## TECHNICAL DATA SHEET

# RILSAN® ROTO 11 NATURAL

## POLYAMIDE 11 POWDER

RILSAN® ROTO 11 NATURAL is a polyamide 11 powder. It is produced from a renewable & sustainable source (castor oil). This grade is designed for roto molding.

Designation : ISO 16396 - PA11-P, RDHL, C12-010

### DESIGNATION

PA11-P

### MAIN APPLICATIONS

- Heavy Truck H2 & Gas Lines And Tanks

### DELIVERY FORM

- Pellets

### TRANSFORMATION PROCESSES

- Rotomolding

### ADDITIVES

- Plasticizer

## MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Yield strain, 23°C (73°F), 50 mm/min	- / 31 %	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 43 MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	- / 965 MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 7.5 kJ/m <sup>2</sup>	ISO 179 1eA
Stress at break	- / 37 MPa	ISO 527-1/-2
Strain at break	- / > 50 %	ISO 527-1/-2

\*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	185 °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)	1.05 g/cm <sup>3</sup>	ISO 1183-1

## 包装

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

- 45 kg / 100 lb drums

# RILSAN® ROTO 11 NATURAL

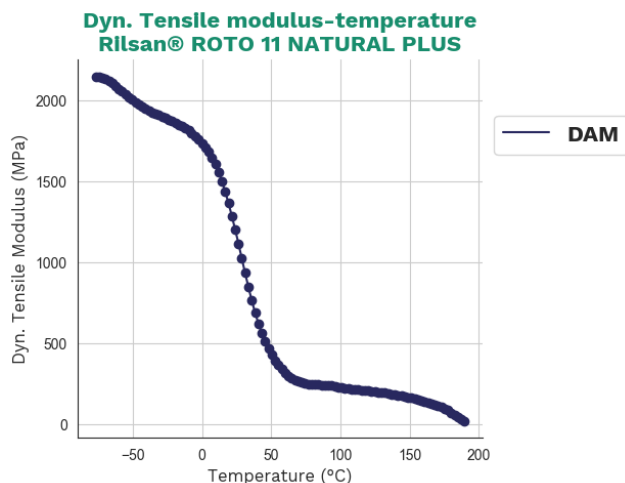
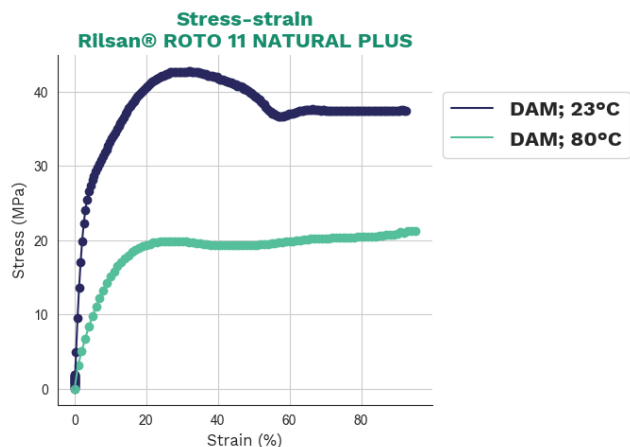
## 賞味期限

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.

## SPECIAL CHARACTERISTICS

- Bio-based

## DIAGRAMS



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