

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

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Rotomolding

ADDITIVES

- Plasticizer

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
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 ²	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.

속성	값	테스트 표준
Melting temperature, 10°C/min	185 °C	ISO 11357-1/-3

OTHER PROPERTIES

속성	값	테스트 표준
Specific gravity, 23°C (73°F)	1.05 g/cm ³	ISO 1183-1

PACKAGING

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

- 46 kg / 100 lb drums

RILSAN® ROTO 11 NATURAL

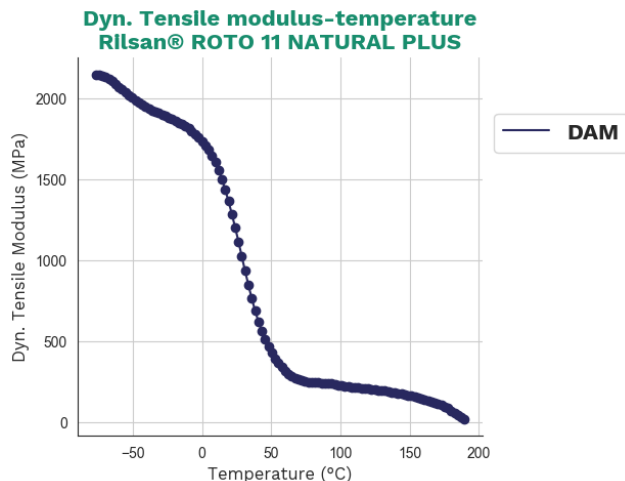
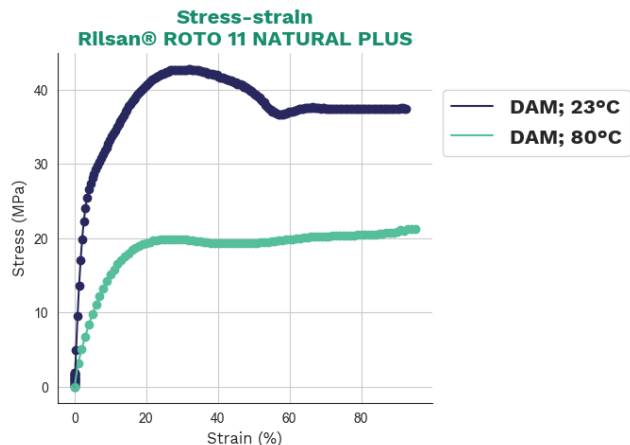
SHELF LIFE

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.

SPECIAL CHARACTERISTICS

- Bio-based

DIAGRAMS



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