

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

TYPE

PA11-P

MAIN APPLICATIONS

- Heavy Truck H2 & Gas Lines And Tanks

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Rotomolding

ADDITIVES

- Plasticizer

MECHANICAL PROPERTIES

特性	DRY / COND VALUE*	UNIT	测试标准
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/m2	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

特性	价值	UNIT	测试标准
Melting temperature, 10°C/min	185	°C	ISO 11357-1/-3

OTHER PROPERTIES

特性	价值	UNIT	测试标准
Specific gravity, 23°C (73°F)	1.05	g/cm³	ISO 1183-1

保质期

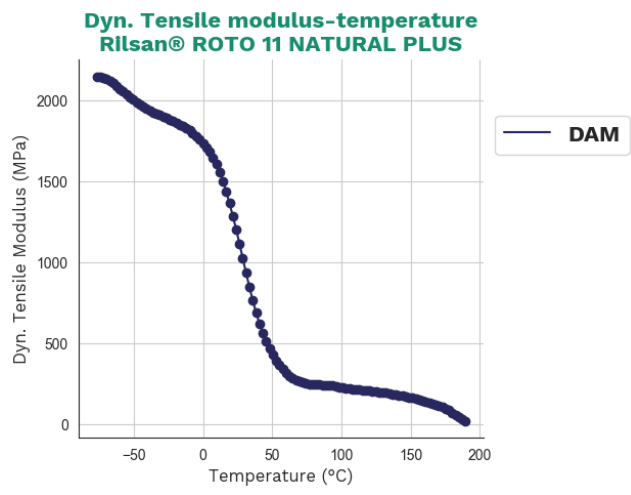
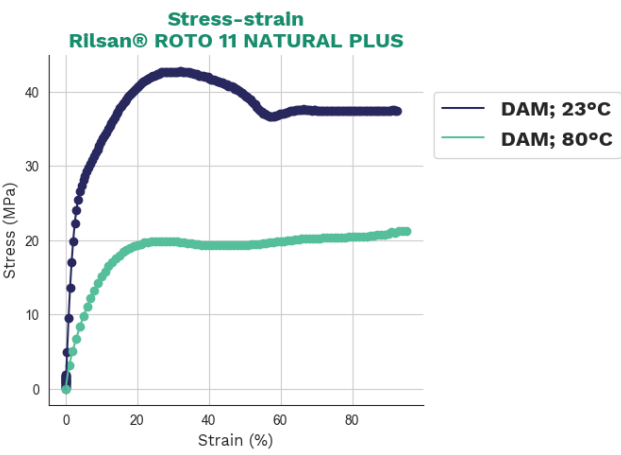
Two years from the date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

RILSAN® ROTO 11 NATURAL

SPECIAL CHARACTERISTICS

- Bio-based

DIAGRAMS



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