

TECHNICAL DATA SHEET

RILSAN® PA11 T NAT 2P

POLYAMIDE 11 POWDER

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® T range is designed for coating metal parts using the fluidized bed dip coating process. They provide superior protection against wear, impact, corrosion, chemicals as well as graffiti. Please consult Arkema literature for application method and recommendations.

DESIGNATION

PA11

MAIN APPLICATIONS

- Others - Metal Powders Technology
- Powder Coating- Wire Goods
- Coating Additives - Others
- Automotive And Transportation

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Fluidized Bed Dipping

ADDITIVES

- Heat Stabilized

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Hardness, Shore D, 23°C (73°F)	- / 70	ISO 868
Coating impact, 23°C (73°F)	- / ≥ 2 J	ASTM G14
Hardness, Persoz, 23°C (73°F)	- / 250	ISO 1522
Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles	- / 13 mg	ISO 9352

*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	183-188 °C (366.8 °F)	ISO 11357-1/-3
Vicat softening temperature, 50N at 50°C/h	181 °C	ISO 306

RILSAN® PA11 T NAT 2P

OTHER PROPERTIES

プロパティ	価値	テスト基準
Covering efficiency (300 µm)	0.33 kg/m ²	Internal Arkema
Water absorption, 24h	≤ 1 %	ISO 62
Median particles (D50)	100-130 µm	ISO 13320
Bio-based carbon content, Estimated	100 %	ASTM D6866
Salt spray test	Good adhesion after 2000 hours	ISO 9227
Specific gravity of coating, 20°C (68°F)	1.1 g/cm ³	ISO 1183-1
Apparent density, Non compacted	0.52	ISO 1068
Apparent density, Compacted	0.62	ISO 1068
Particle Size Distribution (PSD), Fine particles (≤ 40 µm)	1 %	ISO 13320
Particle Size Distribution (PSD), Coarse particles (> 254 µm)	6 %	ISO 13320

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

Five years shelf life from 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

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Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

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