

TECHNICAL DATA SHEET

RILSAN PA11 T GREY 7310 AC

POLYAMIDE 11 POWDER

RILSAN® fluid bed powders are thermoplastic polyamides obtained from renewable resources.

Outstanding characteristics: abrasion resistance, corrosion resistance, impact resistance, sound reduction, flexibility, low coefficient of friction.

DESIGNATION

PA11

MAIN APPLICATIONS

- Powder Coating - Others

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
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

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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
Approximate RAL number	7040	
Median particles (D50)	100-130 µm	ISO 13320
Specific gravity of coating, 20°C (68°F)	1.06 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)	8	ISO 13320
Particle Size Distribution (PSD), Coarse particles (> 254 µm)	10	ISO 13320
Salt spray test	Good adhesion after 2000 hours	ISO 9227

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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