RILSAN®

TECHNICAL DATA SHEET
RILSAN® PA11 T GREY 9100 HV

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

DELIVERY FORM

• Powder

TRANSFORMATION PROCESSES

• Fluidized Bed Dipping

ADDITIVES

• Heat Stabilized

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
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)	- / 240	ISO 1522
Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles	- / 5 mg	ISO 9352

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
 COND: Conditionned.

속성	값	테스트 표준
Melting temperature, 10°C/min	183-188 °C (366.8 °F)	ISO 11357-1/-3

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OTHER PROPERTIES

속성	값	테스트 표준
Covering efficiency (300 µm)	0.36 kg/m²	Internal Arkema
Water absorption, 24h	≤ 1 %	ISO 62
Median particles (D50)	100-130 µm	ISO 13320
Approximate RAL number	7045	
Salt spray test	Good adhesion after 2000 hours	ISO 9227
Specific gravity of coating, 20°C (68°F)	1.2 g/cm³	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

PACKAGING

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:
- 21 kg / 44 lb bags

SHELF LIFE

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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ARKEMA

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