

## TECHNICAL DATA SHEET

# RILSAN® PA11 T GREY 5161 MAC

## 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

- Water Fluid Coating - Water Accessories
- Water Fluid Coating - Piping Systems
- Powder Coating - Renewable Energy
- Powder Coating
- Powder Coating- Wire Goods
- Automotive/Truck - Automotive Coating

### DELIVERY FORM

- Powder

### TRANSFORMATION PROCESSES

- Fluidized Bed Dipping

### ADDITIVES

- Heat Stabilized

## MECHANICAL PROPERTIES

特性	DRY / COND VALUE*	UNIT	测试标准
Hardness, Shore D, 23°C (73°F)	- / 74		ISO 868
Coating impact, 23°C (73°F)	- / ≥ 2	J	ASTM G14
Hardness, Persoz, 23°C (73°F)	- / 280		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

特性	价值	UNIT	测试标准
Melting temperature, 10°C/min	183-188	°C	ISO 11357-1/-3

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## OTHER PROPERTIES

特性	价值	UNIT	测试标准
Covering efficiency (300 µm)	0.35	kg/m <sup>2</sup>	Internal Arkema
Water absorption, 24h	≤ 1	%	ISO 62
Median particles (D50)	100-130	µm	ISO 13320
Approximate RAL number	7001		
Salt spray test	Good adhesion after 2000 hours		ISO 9227
Specific gravity of coating, 20°C (68°F)	1.17	g/cm <sup>3</sup>	ISO 1183-1
Apparent density, Non compacted	0.57		ISO 1068
Apparent density, Compacted	0.69		ISO 1068
Particle Size Distribution (PSD), Fine particles (≤ 40 µm)	1	%	ISO 13320
Particle Size Distribution (PSD), Coarse particles (> 254 µm)	7	%	ISO 13320

## 包装

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

- 25 kg / 55 lb bags

## 保质期

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