

## TECHNICAL DATA SHEET

# RILSAN® PA11 T BLUE 7174 MAC

## 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

### DELIVERY FORM

- Powder

### TRANSFORMATION PROCESSES

- Fluidized Bed Dipping

### ADDITIVES

- Heat Stabilized

## MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
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.

속성	값	테스트 표준
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 BLUE 7174 MAC

## OTHER PROPERTIES

속성	값	테스트 표준
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	5013	
Specific gravity of coating, 20°C (68°F)	1.12 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)	4 %	ISO 13320
Particle Size Distribution (PSD), Coarse particles (> 254 µm)	9 %	ISO 13320
Salt spray test	Good adhesion after 2000 hours	ISO 9227

## PACKAGING

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

- 26 kg / 55 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

**Headquarter: Arkema France**  
420, rue d'Estienne d'Orves  
92705 Colombes Cedex – France  
T +33 (0)1 49 00 80 80

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.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

**ARKEMA**