

## TECHNICAL DATA SHEET

# RILSAN® PA11 ES BLACK 820 MAC

## POLYAMIDE 11 POWDER

RILSAN® electrostatic spray 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

- Automotive/Truck - Automotive Coating

### DELIVERY FORM

- Powder

### TRANSFORMATION PROCESSES

- Electrostatic spraying

### ADDITIVES

- Heat Stabilized

## MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Hardness, Persoz, 23°C (73°F)	- / 270	ISO 1522
Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles	- / 17 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

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## OTHER PROPERTIES

プロパティ	価値	テスト基準
Covering efficiency (120 µm)	0.14 kg/m <sup>2</sup>	Internal Arkema
Water absorption, 24h	≤ 1 %	ISO 62
Median particles (D50)	30 µm	ISO 13320
Approximate RAL number	9005	
Specific gravity of coating, 20°C (68°F)	1.12 g/cm <sup>3</sup>	ISO 1183-1
Apparent density, Non compacted	0.43	ISO 1068
Apparent density, Compacted	0.63	ISO 1068
Particle Size Distribution (PSD) (Fine particles < 20 µm)	20 %	ISO 13320
Particle Size Distribution (PSD) (Coarse particles > 100 µm)	1 %	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:

- 20 kg / 44 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

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

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