

## TECHNICAL DATA SHEET

### RILSAN® PA11 ES GREY 49 MAC

#### POLYAMIDE 11 POWDER

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® ES range is designed for coating metal parts using the electrostatic spraying process. They provide superior protection against wear, impact, corrosion, chemicals as well as graffiti. Please consult Arkema literature for application method and recommendations.

#### TYPE

PA11

#### MAIN APPLICATIONS

- Powder Coating - Others

#### DELIVERY FORM

- Powder

#### TRANSFORMATION PROCESSES

- Electrostatic spraying

#### ADDITIVES

- Heat Stabilized

## MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	UNIT	テスト基準
Hardness, Persoz, 23°C (73°F)	- / 270		ISO 1522
Hardness, Shore D, 23°C (73°F)	- / 71		ISO 868
, 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	UNIT	テスト基準
Melting temperature, 10°C/min	183-188	°C	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	UNIT	テスト基準
Apparent density, Non compacted	0.44		ISO 1068
Apparent density, Compacted	0.62		ISO 1068
Approximate RAL number	7040		
Covering efficiency (120 µm)	0.14	kg/m²	Internal Arkema
Median particles (D50)	30	µm	ISO 13320
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
Specific gravity of coating, 20°C (68°F)	1.1	g/cm³	ISO 1183-1
Water absorption, 24h	≤ 1	%	ISO 62

## 包装

Available packaging:

- 20 kg / 44 lb 袋

## 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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