RILSAN®

TECHNICAL DATA SHEET
RILSAN® PA11 ESY GREY 7280

POLYAMIDE 11 POWDER

RILSAN® fine powders are specialty polyamide powders obtained from renewable resources. RILSAN® ESY 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.

DESIGNATION

PA11

DELIVERY FORM

• **Powder**

TRANSFORMATION PROCESSES

• **Electrostatic spraying**

ADDITIVES

• **Heat Stabilized**

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
Hardness, Shore D, 23°C (73°F)	**- / 71**	**ISO 868**
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.

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**

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OTHER PROPERTIES

속성	값	테스트 표준
Covering efficiency (100 µm)	0.20 kg/m²	Internal Arkema
Water absorption, 24h	≤ 1 %	ISO 62
Median particles (D50)	30 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)	1.1 g/cm³	ISO 1183-1
Apparent density, Non compacted	0.44	ISO 1068
Apparent density, Compacted	0.62	ISO 1068
Particle Size Distribution (PSD) (Fine particles < 20 µm)	20 %	ISO 13320
Particle Size Distribution (PSD) (Coarse particles > 100 µm)	1 %	ISO 13320

PACKAGING

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

SHELF LIFE

Two years from the 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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