

TECHNICAL DATA SHEET  
RILSAN® PA11 ES BLACK 625 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

- 코팅 첨가제 - 기타
- 자동차/트럭 - 자동차 도장

배송 방식

- 분말

가공 공정

- 정전기 분무

첨가제

- 열 안정화

MECHANICAL PROPERTIES

| 속성                                    | DRY / COND VALUE* | UNIT | 테스트 표준   |
|---------------------------------------|-------------------|------|----------|
| Hardness, Shore D, 23°C (73°F)        | - / 72            |      | ISO 868  |
| Hardness, Persoz, 23°C (73°F)         | - / 270           |      | ISO 1522 |
| , 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       | UNIT | 테스트 표준         |
|--------------------------------------------|---------|------|----------------|
| 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

| 속성                                                           | 값                              | UNIT  | 테스트 표준          |
|--------------------------------------------------------------|--------------------------------|-------|-----------------|
| Covering efficiency (120 µm)                                 | 0.14                           | kg/m² | Internal Arkema |
| Water absorption, 24h                                        | ≤ 1                            | %     | ISO 62          |
| Median particles (D50)                                       | 30                             | µm    | ISO 13320       |
| Approximate RAL number                                       | 9005                           |       |                 |
| Salt spray test                                              | Good adhesion after 2000 hours |       | ISO 9227        |
| Specific gravity of coating, 20°C (68°F)                     | 1.19                           | g/cm³ | 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       |

## 포장

Available packaging:

- 20 kg / 44 lb 가방

## 보관수명

납품일로부터 5년의 유통기한, 적절히 보관할 때 (밀봉된 봉지, 적절한 습도, 자외선 차단 및 온도). 이 한도를 초과하는 모든 사용에 대해서는 기술 서비스를 참조해 주세요.

## 특징

- 생물 기반

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