

TECHNICAL DATA SHEET

RILSAN® NATURAL RDP 15-10 ES

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

MECHANICAL PROPERTIES

| 속성 | DRY / COND VALUE* | 테스트 표준 |
|--|-------------------|------------|
| Coating impact, 23°C (73°F) | - / 160 J | ASTM D2794 |
| Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles | - / 15 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 |

OTHER PROPERTIES

| 속성 | 값 | 테스트 표준 |
|--|--------------------------------|-----------------|
| Covering efficiency (120 µm) | 0.14 kg/m² | Internal Arkema |
| Salt spray test | Good adhesion after 2000 hours | ISO 9227 |
| Particle Size Distribution (PSD) (Coarse particles > 75 µm) | 2.5 % | ASTM D3451 |
| Particle Size Distribution (PSD) (Coarse particles > 106 µm) | 0.5 % | ASTM D3451 |
| Particle Size Distribution (PSD) (Coarse particles > 150 µm) | 0.2 % | ASTM D3451 |
| Specific gravity of coating, 20°C (68°F) | 1.11 g/cm³ | ISO 1183-1 |
| Median particles (D50) | 30 µm | ISO 13320 |

PACKAGING

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

- 46 kg / 100 lb drums

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.

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