

TECHNICAL DATA SHEET

RILSAN® PA11 T GREY 7144 AC

POLYAMIDE 11 POWDER

RILSAN® fluid bed 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

- Powder Coating- Wire Goods

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Fluidized Bed Dipping

ADDITIVES

- Heat Stabilized

MECHANICAL PROPERTIES

| プロパティ | DRY / COND VALUE* | テスト基準 |
|--|-------------------|----------|
| Coating impact, 23°C (73°F) | - / ≥ 2 J | ASTM G14 |
| Hardness, Persoz, 23°C (73°F) | - / 250 | ISO 1522 |
| Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles | - / 13 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 |

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OTHER PROPERTIES

| プロパティ | 価値 | テスト基準 |
|---|--------------------------------|-----------------|
| Covering efficiency (300 µm) | 0.33 kg/m ² | Internal Arkema |
| Water absorption, 24h | ≤ 1 % | ISO 62 |
| Median particles (D50) | 100-130 µm | ISO 13320 |
| Approximate RAL number | 7001 | |
| Specific gravity of coating, 20°C (68°F) | 1.06 g/cm ³ | ISO 1183-1 |
| Apparent density, Non compacted | 0.52 | ISO 1068 |
| Apparent density, Compacted | 0.62 | ISO 1068 |
| Particle Size Distribution (PSD), Fine particles (≤ 40 µm) | 8 % | ISO 13320 |
| Particle Size Distribution (PSD), Coarse particles (> 254 µm) | 10 | 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:

- 25 kg / 55 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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