

TECHNICAL DATA SHEET

RILSAN® NATURAL RDP 15-10 FB

POLYAMIDE 11 POWDER

RILSAN® fluidized 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

- Others - Metal Powders Technology

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)	- / 160 J	ASTM D2794
Abrasion resistance, Wheel CS 17, load 1 kg, 1000 cycles	- / 16 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

OTHER PROPERTIES

プロパティ	価値	テスト基準
Covering efficiency (300 µm)	0.34 kg/m ²	Internal Arkema
Salt spray test	Good adhesion after 2000 hours	ISO 9227
Particle Size Distribution (PSD) (Fine particles < 75 µm)	15 %	
Particle Size Distribution (PSD) (Coarse particles > 212 µm)	1 %	
Particle Size Distribution (PSD) (Coarse particles > 250 µm)	0.1 %	
Specific gravity of coating, 20°C (68°F)	1.11 g/cm ³	ISO 1183-1
Median particles (D50)	115 µm	ISO 13320

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包装

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

- 45 kg / 100 lb drums

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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Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

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