

TECHNICAL DATA SHEET

RILSAN® BLACK RDP 15-10 FB

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
- Automotive/Truck - Automotive Coating

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Fluidized Bed Dipping

ADDITIVES

- Heat Stabilized

MECHANICAL PROPERTIES

PROPERTIES	DRY / COND VALUE*	TEST STANDARD
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: Conditioned.

THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melting temperature, 10°C/min	183-188 °C (366.8 °F)	ISO 11357-1/-3

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Salt spray test	Good adhesion after 2000 hours	ISO 9227
Particle Size Distribution (PSD) (Fine particles < 75 µm)	15 %	ASTM D3451
Particle Size Distribution (PSD) (Coarse particles > 212 µm)	1 %	ASTM D3451
Particle Size Distribution (PSD) (Coarse particles > 250 µm)	0.1 %	ASTM D3451
Approximate RAL number	9005	
Covering efficiency (300 µm)	0.34 kg/m ²	Internal Arkema
Specific gravity of coating, 20°C (68°F)	1.12 g/cm ³	ISO 1183-1
Median particles (D50)	115 µm	ISO 13320

PACKAGING

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

- 45 kg / 100 lb drums

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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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