

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.

TYPE

PA11

MAIN APPLICATIONS

- Others - Metal Powders Technology

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Fluidized Bed Dipping

ADDITIVES

- Heat Stabilized

MECHANICAL PROPERTIES

PROPERTIES	DRY / COND VALUE*	UNIT	TEST STANDARD
Coating impact, 23°C (73°F)	- / 160	J	ASTM D2794
Taber abrasion, 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	UNIT	TEST STANDARD
Melting temperature, 10°C/min	183-188	°C	ISO 11357-1/-3

OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
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	%	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
Specific gravity of coating, 20°C (68°F)	1.11	g/cm ³	ISO 1183-1
Median particles (D50)	115	µm	ISO 13320

PACKAGING

Available packaging:

- 45 kg / 100 lb drums

RILSAN® NATURAL RDP 15-10 FB

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.

SPECIAL CHARACTERISTICS

- Bio-based