

TECHNICAL DATA SHEET

RILSAN® PA11 TECHLINE WHITE 7601

POLYAMIDE 11 POWDER

RILSAN® minicoat/ maxicoat 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

- Powder Coating - Undergarment

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Fluidized Bed Dipping

ADDITIVES

- Heat Stabilized

MECHANICAL PROPERTIES

PROPERTIES	DRY / COND VALUE*	UNIT	TEST STANDARD
Hardness, Persoz, 23°C (73°F)	- / 270		ISO 1522
Taber abrasion, Wheel CS 17, load 1 kg, 1000 cycles	- / 8	mg	ISO 9352

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

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
Apparent density, Non compacted	0.44		ISO 1068
Apparent density, Compacted	0.57		ISO 1068
Specific gravity of coating, 20°C (68°F)	1.11	g/cm ³	ISO 1183-1
Median particles (D50)	30-60	µm	ISO 13320
Particle Size Distribution (PSD) (Coarse particles > 80 µm)	6	%	ISO 13320
Particle Size Distribution (PSD) (Fine particles < 20 µm)	10	%	ISO 13320
Water absorption, 24h	≤ 1	%	ISO 62
Approximate RAL number	9016		
Covering efficiency (200 µm)	0.22	kg/m ²	Internal Arkema
Salt spray test	Good adhesion after 2000 hours		ISO 9227

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PACKAGING

Available packaging:

- 20 kg / 44 lb bags

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