

## TECHNICAL DATA SHEET

# RILSAN® PA11 D50 NAT

## POLYAMIDE 11 POWDER

RILSAN® D50 NAT is a polyamide 11 powder obtained from renewable resources with an average diameter of 40 - 46 µm. RILSAN® D is a range of high performance fine polyamide powders used as multifunctional additives in coatings and varnishes.

The introduction of RILSAN® polyamide powders in formulations is easy thanks to their good dispersion capacity, their reduced impact on rheology and their low density.

RILSAN® polyamide powders are surface modifiers, specifically designed for texture creation.

Abrasion, scratch, impact resistances and flexibility of coatings, inks and varnishes can be significantly improved using RILSAN® polyamide powders.

### TYPE

PA11

### MAIN APPLICATIONS

- Coating Additives - Others
- Coating Additives - Wood
- Coating Additives - Flooring
- Coating Additives - Coil Coating
- Automotive/Truck - Automotive Coating

### DELIVERY FORM

- Powder

### TRANSFORMATION PROCESSES

- Formulation ingredients

### ADDITIVES

- Heat Stabilized

## 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
Median particles (D50)	40-46	µm	ISO 13319
Bio-based carbon content, Estimated	99	%	ASTM D6866
Water absorption, 24h	≤ 1	%	ISO 62
Apparent density, Non compacted	0.37		ISO 1068
Specific gravity of coating, 20°C (68°F)	1.04	g/cm <sup>3</sup>	ISO 1183-1

## 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