

## TECHNICAL DATA SHEET

# RILSAN® PA11 D30 NAT

## POLYAMIDE 11 POWDER

RILSAN® D30 NAT is a polyamide 11 powder obtained from renewable resources with an average diameter of 21 - 27 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.

### DESIGNATION

PA11

### MAIN APPLICATIONS

- Powders - Composites
- Industry - Composites
- Others - Metal Powders Technology
- Coating Additives - Others
- Coating Additives - Wood
- Coating Additives - Coil Coating

### DELIVERY FORM

- Powder

### TRANSFORMATION PROCESSES

- Formulation ingredients

### ADDITIVES

- Heat Stabilized

## 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 |
|--|------------------------|---------------|
| Median particles (D50)                   | 21-27 µm               | ISO 13319     |
| Water absorption, 24h                    | ≤ 1 %                  | ISO 62        |
| Apparent density, Non compacted          | 0.34                   | ISO 1068      |
| Specific gravity of coating, 20°C (68°F) | 1.04 g/cm <sup>3</sup> | ISO 1183-1    |

## PACKAGING

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

- 15 kg / 33 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

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