

# RILSAN® D50 NATURAL

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.

PROPERTIES	VALUE	UNIT	TEST STANDARD
POWDER PROPERTIES			
Particle Size Distribution, Median Size	40 - 46	µm	ISO 13320
	0.00157 - 0.00181	in	
Melting Temperature	186	°C	ISO 1218
	367	°F	
Non Tapped Density	0.37	-	ISO 1068
POWDER COATING PROPERTIES			
Specific Gravity of Coating, 20°C	1.04	-	ISO 1183
Water Absorption, 24h	≤1	%	ISO 62-1

## APPLICATION PROPERTIES

- **Texturing agent (rough texture)** Texture depends on amount of Orgasol® polyamide powder, dry coating thickness and conditions of curing.
- **Abrasion & Scratch resistance improvement** reinforces the mechanical properties of the coating
- **Compatible with most resins used in coating industry** suitable for solvent-based, water-based and 100% solid UV-curable systems
- **Compliant with FDA regulations (FDA 177-1500 and FDA 175-300)**

## MAIN APPLICATIONS:

- Coil coating
- Wood coating
- Plastic coating

## PACKAGING

This grade is delivered in 20kg bag.

## SHELF LIFE

Five years from the date of delivery. For any use after this limit, please refer to our technical services.