

## TECHNICAL DATA SHEET

# ORGASOL® 3501 EXD NAT 1

## ULTRAFINE POLYAMIDE POWDER

ORGASOL® 3501 EXD NAT 1 is spheroidal copolyamide 6/12 powder with a narrow particle size distribution and an average diameter of 10µm.

ORGASOL® 3501 EXD NAT 1 has a melting temperature of 142°C. An extremely high level of quality is achieved through rigorous control of the particle size distribution, ensuring excellent consistency of performance.

ORGASOL® polyamide powders are multifunctional additives for coatings and "non-coating" applications with a unique spherical morphology & porous structure combined with a very narrow particle size distribution.

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

ORGASOL® polyamide powders are surface modifiers, specifically designed for gloss control, texture creation and haptic properties adjustment. They also improve blocking resistance and reduce coefficient of friction.

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

### DESIGNATION

PA6/12

### MAIN APPLICATIONS

- Coatings
- Other Graphic Arts

### DELIVERY FORM

- Powder

### TRANSFORMATION PROCESSES

- Formulation ingredients

## THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melting temperature, 10°C/min	142 °C	ISO 11357-1/-3

## OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Apparent density, Non compacted	0.27	ISO 1068
Specific surface area (SSA)	20 m <sup>2</sup> /g	ISO 9277
Fine particles (D10)	7 µm	ISO 13319
Median particles (D50)	10 µm	ISO 13319
Coarse particles (D90)	13 µm	ISO 13319

## PACKAGING

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

- 10 kg / 22 lb bags

## SHELF LIFE

Three years from the 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.

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