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ORGASOL®

TECHNICAL DATA SHEET

ORGASOL® 1002 D NAT 1

ULTRAFINE POLYAMIDE POWDER

ORGASOL® 1002 D NAT 1 is spheroidal polyamide 6 powder with a narrow particle size distribution and an average diameter of 20µm.
Orgasol® 1002 D NAT 1 has a high melting temperature, above 210°C: the shape of the particles and the particle size distribution are preserved even when processed at high temperatures. An extremely high level of quality is achieved through rigorous control of the particle size distribution & porosity, ensuring excellent consistency of performance.
ORGASOL® is a range of high performance ultra-fine polyamide powders used as multifunctional additives in coatings, inks, varnishes and technical compounds.
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 and technical compounds can be significantly improved using ORGASOL® polyamide powders.

TYPE

PA*

MAIN APPLICATIONS

- Powders - Composites
- Other Advanced Materials
- Coating Additives - Distribution
- Floor Polish & Floor Coatings

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Formulation ingredients

THERMAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melting temperature, 10°C/min	217	°C	ISO 11357-1/-3

OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Apparent density, Non compacted	0.43		ISO 1068
Specific surface area (SSA)	2	m^2/g	ISO 9277
Fine particles (D10)	15	µm	ISO 13319
Median particles (D50)	20	µm	ISO 13319
Coarse particles (D90)	26	µm	ISO 13319

PACKAGING

Available packaging:
- 20 kg / 44 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.