ORGASOL®

TECHNICAL DATA SHEET

ORGASOL® 2002 ES 4 NAT 3

ULTRAFINE POLYAMIDE POWDER

ORGASOL® 2002 ES 4 NAT 3 is spheroidal polyamide 12 powder with a narrow particle size distribution and an average diameter of 40µm.
ORGASOL® 2002 ES 4 NAT 3 has a melting temperature of 177°C. 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

PA12

MAIN APPLICATIONS

- industrial coating

DELIVERY FORM

- Powder

TRANSFORMATION PROCESSES

- Formulation ingredients

THERMAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melting temperature, 10°C/min	177	°C	ISO 11357-1/-3

OTHER PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Apparent density	0.43		ISO 1068
Specific surface area (SSA)	1	m^2/g	ISO 9277
Particle Size Distribution (PSD), fine particles size (D10)	32	µm	ISO 13319
Particle Size Distribution (PSD), median particles size (D50)	40	µm	ISO 13319
Particle Size Distribution (PSD), coarse particles size (D90)	50	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.

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