

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.

| POWDER PROPERTIES | VALUE | UNIT | TEST STANDARD |
|----------------------------|-------------------------|----------|---------------|
| Appearance | White spheroidal powder | - | Visual |
| | ≤ 10µm | 10 | % |
| Particle Size Distribution | ≥ 30µm | 15 | % ISO 13319 |
| | Median Size | 20 | µm |
| | | 0.000787 | in |

APPLICATION PROPERTIES

- **Matting / texturing agent (smooth texture):** Best matting efficiency is obtained for coatings thickness inferior to 30µm
- **Abrasion & Scratch resistance improvement:** reinforces the mechanical properties of the coating
- **Dry lubricant / pleasant hand touch additive**
- **Toughening agent in thin-layered epoxy structures**

MAIN APPLICATIONS:

- Coil coating, Floor coating
- Rubbers coating
- Wood coating
- Composites
- Plastic coating

PACKAGING

This grade is delivered in 20kg bag.

SHELF LIFE

3 years from date of delivery in closed original packaging away from heat and moisture. For any use after this limit, please refer to our technical services.

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|---|--|
| <p>DELIVERY FORM</p> <p>Powder</p> | <p>Headquarters:</p> <p>Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com</p> |
| <p>REGIONAL AVAILABILITY</p> <p>North America, Europe, Asia Pacific, South and Central America, Near East/Africa</p> | |
| | <p>Arkema Inc. – High Performance Polymers</p> <p>900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com</p> |

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