

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.

POWDER PROPERTIES	VALUE	UNIT	TEST STANDARD
Appearance	White spheroidal powder	-	Visual
	≤ 5µm	10	%
Particle Size Distribution	≥ 20µm	5	%
	Median Size	10	µm
		0.000394	in

APPLICATION PROPERTIES

- **Transfer paper technology for inkjet printing** high and controlled porosity, perfect printability quality, very high ink acceptance efficient transfer of the image from the paper to the textile substrate, guarantying a high wash resistance
- **Powder Injection Technology:** improve the end-products performance. solid lubricant imparts high strength to the molded green parts & avoid damage of the parts on ejection of the mold
- **Matting / texturing agent (smooth texture)** Best matting efficiency is obtained for coatings thickness inferior to 20µm
- **Abrasion & Scratch resistance improvement** reinforces the mechanical properties of the coating
- **Pleasant hand touch additive** suitable for soft touch coating formulation
- **Compatible with most resins used in coating industry** suitable for solvent-based, water-based and 100% solid UV-curable systems

MAIN APPLICATIONS:

- Transfer paper for inkjet
- Metal Injection Molding Powder Injection Molding
- Wood coating
- Plastic coating

PACKAGING

This grade is delivered in 10kg 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.

DELIVERY FORM Powder	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	

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