



TECHNICAL DATA SHEET

Orgasol[®] 2001 UD NAT 2



MAIN APPLICATIONS

Over Print Varnish on food packaging, can coating, inks

ORGASOL[®] 2001 UD NAT 2 is a **spheroidal powder** of polyamide 12, with **5 µm** as average diameter and a narrow particle size distribution. An extremely high level of quality is achieved thanks to our rigorous control of particle size distribution, providing **excellent consistency in performance**.

ORGASOL[®] 2001 UD NAT 2 is a **multifunctional additive** providing **flexibility of the thermoset resins** used in can coatings (external and internal parts), while providing **scratch and abrasion resistance**.

ORGASOL[®] 2001 UD NAT 2 alone is suitable to achieve **satın finished**. It can be combined with silica to achieve deep matt finishes without sacrificing paint abrasion resistance. It can be combined with waxes to optimise the slipperliness of the coating while keeping a high mechanical resistance.

Chemically inert, ORGASOL[®] 2001 UD NAT 2 is **compatible with most resins** and common formulating additives used in coating industry.

The compliance with the FDA regulations (FDA 177-1500 and FDA 175-300) and the sharp particle size distribution are among the key parameters that make ORGASOL[®] 2001 UD NAT 2 suitable for a broad range of **thin coatings applications** requiring **food contact approval**.

CHARACTERISTICS

Appearance:
Average diameter:
Particle size distribution:
 Fine particles < 2.5 microns
 Coarse particles > 10 microns
Average Specific Surface Area:
Apparent density unpacked:
Melting point:

White spheroidal powder
5 microns
2 max. %
2 max. %
9 m²/g
0.215 g/cm³
177 °C

METHOD

Visual
ISO 13319
ISO 13319
ISO 13319
ISO 9277
ISO 1068
ISO 11357-3

PACKAGING

10 Kg multilayers bags

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.

Arkema has implemented a Medical Policy regarding the use of Arkema products in Medical Devices applications that are in contact with the body or circulating bodily fluids (<http://www.arkema.com/en/social-responsibility/responsible-product-management/medical-device-policy/index.html>) Arkema has designated Medical grades to be used for such Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications that are in contact with the body or circulating bodily fluids. In addition, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Arkema trademarks and the Arkema name shall not be used in conjunction with customers' medical devices, including without limitation, permanent or temporary implantable devices, and customers shall not represent to anyone else, that Arkema allows, endorses or permits the use of Arkema products in such medical devices.

It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any medical grade Arkema products, in order to ensure that the final end-use product is safe for its end use; performs or functions as intended; and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies) It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any postmarket surveillance obligations. Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

Headquarters: Arkema France
420 rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: 33 (0)1 49 00 80 80
Fax: 33 (0)1 49 00 83 96
arkema.com