



TECHNICAL DATA SHEET

Orgasol[®] 2002 ES4 NAT 3



MAIN APPLICATIONS

Metal coating, coil coating and flooring

ORGASOL[®] 2002 ES4 NAT 3 is a **spheroidal powder** of polyamide 12, with **40 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[®] 2002 ES4 NAT 3 is used as a **multifunctional additive** in coatings. It improves the **scratch and the abrasion resistance** while providing a **regular textured and velvety finish** thanks to the spheroidal shape of the particles. Playing on coatings texture, ORGASOL[®] 2002 ES3 NAT 3 can lead to **anti-slippery properties associated to a better clean ability**. It can be used as well to increase the **flexibility of thermoset resins** used for metal coatings.

The **high chemical resistance of polyamide 12** and the particle size distribution are among the key parameters that make ORGASOL[®] 2002 ES4 NAT 3 **compatible with most resins** and common formulating additives used in coating industry. It can be added to interior or exterior paints and **easily dispersed in solvent or water based or 100% solid UV curable systems**.

CHARACTERISTICS

Appearance:
Average diameter:
Particle size distribution:
 Fine particles < 20 microns
 Coarse particles > 60 microns
Average Specific Surface Area:
Apparent density unpacked:
Melting point:

White spheroidal powder
40 microns
2 max. %
5 max. %
1 m²/g
0.425 g/cm³
177 °C

METHOD

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

PACKAGING

20 Kg multilayers bags

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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