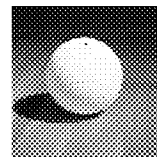




TECHNICAL DATA SHEET

**Orgasol<sup>®</sup> 2002 ES4 NAT 3**



**MAIN APPLICATIONS**

**Metal coating, coil coating and flooring**

ORGASOL<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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**

**METHOD**

<b>Appearance:</b>	White spheroidal powder	Visual
<b>Average diameter:</b>	40 microns	ISO 13319
<b>Particle size distribution:</b>		
<b>Fine particles &lt; 20 microns</b>	2 max. %	ISO 13319
<b>Coarse particles &gt; 60 microns</b>	5 max. %	ISO 13319
<b>Average Specific Surface Area:</b>	1 m <sup>2</sup> /g	ISO 9277
<b>Apparent density unpacked:</b>	0.425 g/cm <sup>3</sup>	ISO 1068
<b>Melting point:</b>	177 °C	ISO 11357-3

**PACKAGING**

20 Kg multilayers bags

The information contained in this document is based on trials carried out by our Research Centres and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment.

No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the product or products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.

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