



Print this page **Advanced Surface Solutions**

**Additives**

## Ceridust® 3610

**Edition Date** July 16, 2019 **Edition Number** 8

### High density polyethylene wax

#### Product Description

Ceridust 3610 is a micronized high density polyethylene wax.

#### Benefits

- Excellent rub resistance and fast drying time in printing inks
- Improves slip properties and enhances scratch resistance in powder coatings
- Higher clarity and gloss levels when used in solvent based coatings compared to standard polyethylene grades
- Excellent water repellence properties in wood coatings

#### Specifications

##### Delivery Specifications and (\*) General Properties

Characteristics	Unit	Target value	Test method
<b>Appearance</b>		white micronized powder	QM-AA-634
<b>Drop point</b>	[°C]	125 - 130	ASTM D 3954
<b>Particle size D50</b>	[µm]	4.5 - 5.5	QM-AA-112
<b>Density (23°C)</b>	[g/cm³]	0.96 - 0.98	ISO 1183
<b>*Acid value</b>	[mg KOH/g]	0	ISO 2114

#### Applications

Ceridust 3610 is recommended for solvent based coatings and inks as well as for pasty inks.

The narrow and fine particle size distribution provides an excellent rub resistance and a fast drying time in printing inks. Also the phenomenon of piling on the rubber blanket is noticeable reduced due to the fine particles.

It is also an additive for powder coatings to increase the output during extrusion process and to improve the flow ability of the powder. It also improves slip properties and enhances scratch resistance of the cured powder coating. In addition it is also used as a degassing agent to prevent pinhole formation.

In solvent based coatings the toughness of the micronized polyethylene creates an excellent scratch resistance together with high clarity and higher gloss levels compared to standard polyethylene grades.

Ceridust 3610 is a fine particle dispersing agent and is recommended for Polyolefin, like LLDPE, LDPE, MDPE, HDPE, etc. The micronized dispersing agent particles are close to the pigment particles and being almost statistically ideally distributed, show a high likeliness to find a place between pigment particles, thus separating them from each other. Consequently those pigment particles will not form agglomerates. The early melting behavior of micronized particles leads to a coating effect of the pigment particles and neutralizes the binding forces of pigment particles, prevents them from re-agglomeration, eases pigment dispersion and stabilizes the dispersion. A mixture of standard powder and Ceridust already improves the color strength as well as the filter pressure value.

#### Packaging and Handling

##### Delivery form

Micronized powder

##### Packaging

Big Bag 250 kg

Paper bag 15 kg

Pallet 450 kg (30 bags)

##### Storage

For best shelf life store this product in a dry area at normal ambient temperatures.  
Minimum shelf life is two years from the date of shipping when properly stored.

## Safety

### Hazards

The product does not require a hazard warning label according CLP regulation (Regulation (EC) No. 1272/2008, as amended).  
For further information please refer to the Material Safety Data Sheet.

### Contact Us;

Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).

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