



Product Data Sheet

Additives

Ceridust® 5551

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Partly saponified ester of montanic acids

Product ID: 106946

Product Description

Ceridust 5551 is a micronized, partly saponified ester of montanic acids.

Benefits

- Excellent scratch resistance properties
- Effective matting agent
- Smooth results when used in wood coatings
- Excellent slip properties
- Effective dispersing agent
- Excellent thermal stability
- low volatility
- non-migrating
- Effective as lubricant and dispersing agent especially for engineering resin Masterbatches

Specifications

Delivery Specifications and (*) General Properties

Characteristics	Unit	Target value	Test method
Appearance		yellowish micronized powder	QM-AA-634
Acid value	[mg KOH/g]	13 - 18	ISO 2114
Density (23°C)	[g/cm ³]	1,00 - 1,02	ISO 1183
Drop point	[°C]	86 - 98	ISO 2176
Particle size d50	[µm]	7,5 - 9,5	QM-AA-112

Applications

Ceridust 5551 is recommended for solvent and water based coatings. In powder coatings it acts as wetting and dispersing aid.

In solvent and water based coatings the micronized polyethylene creates an excellent scratch resistance. The strong matting effect makes the Ceridust 5551 to a very effective matting agent. Also the slip performance can be influenced by the Ceridust 5551. In addition the surface modification of wood coatings creates an outstanding soft feel touch. The chemical composition of the micronized powder makes it also very stable in water based coatings. There is no flooding or settling of the wax.

Ceridust 5551 is a fine particle dispersing agent and is recommended for engineering polymers like PA, PC, PET, PBT, TPU, 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

Paper bag 20 kg

Pallet 600 kg (30 bags)

Storage

For best shelf life store this product in a dry area at normal ambient temperatures.

Minimum shelf life is 2 years from the date of shipping when properly stored.

Safety and MSDS

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.

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