

COATING RESINS

TECHNICAL DATA

CRAYVALLAC WN-1875

SALES SPECIFICATION

Dropping Point (CR 010) >200°C (>392°F)

OTHER PROPERTIES

Appearance White powder

Particle Size (CR 015) DV. 5 5.0-7.0 µm

PRODUCT INFORMATION

CRAYVALLAC WN-1875 is a finely micronised polycondensate plastic for use in a wide range of water-based and solvent-based applications, where it provides a matting and satin effect. **CRAYVALLAC WN-1875** is resistant to those solvents and chemicals commonly used in the coatings industry. Heat resistance, weather resistance and light stability are most favourable with this product.

The use of **CRAYVALLAC WN-1875** provides the following benefits:

- Easily dispersed micronised powder
- Matting and satin effect agent for use in a wide range of applications e.g. air-drying, stoving finishes and UV-curing
- Suitable for use in water-based and solvent-based coatings
- Good heat resistance, weather resistance and light stability

The small binder demand of **CRAYVALLAC WN-1875** results in very little increase in the viscosity of coatings. This makes **CRAYVALLAC WN-1875** particularly useful as a partial replacement for silica matting agents, particularly in UV-lacquers.

The following summarises the potential uses for **CRAYVALLAC WN-1875** :

- NC/alkyd finishes, acid curing systems, polyurethane and stoving finishes. Also printing inks and water dilutable systems.
- A sole matting agent in lacquers which can be flatted easily, such as nitrocellulose, NC/alkyd, urea, melamine. In lacquers with binders that are more difficult to flat it is recommended to use **CRAYVALLAC WN-1875** in combination with silica matting agents.
- Gives a smooth and scratch resistant surface. The product does not influence the physical properties and recoatability of the dry lacquer film unlike silica matting agents.
- Exceptional heat resistance allows use in stoving finishes up to 200°C (392°F) without showing a seeding effect, which can occur with other waxes at these temperatures.

- Improves durability of exterior matt finishes. Contributes to UV resistance and minimises chalking.
- Avoids viscosity build up in UV coatings and inks.
- Excellent recoatability.

RECOMMENDED AMOUNTS

Generally 1.0-5.0% based on total formulation

INCORPORATION METHODS AND PROCESSING INSTRUCTIONS

CRAYVALLAC WN-1875 is readily dispersed into coating formulations using a variety of techniques e.g. high-speed dispersers, bead mills and triple roll mills.

In general, micronised waxes are best incorporated into coating systems by pre-mixing with the binder. Alternatively, waxes may be added to the formulation immediately following the dispersion stage but prior to the final letdown.

Due to the multitude of formulations, processing methods and application conditions used in the field, we strongly recommend that all products containing **CRAYVALLAC WN-1875** be tested thoroughly to ensure suitability for their intended end use.

PRECAUTION FOR STORAGE

CRAYVALLAC WN-1875 should be stored in the original containers in a dry place at temperatures between 5°C (41°F) and 30°C (86°F). Avoid exposure to direct sunlight or frost. Under these conditions the product may be stored for up to 4 years from production date.

PRECAUTION FOR USE

Please refer to the corresponding Safety Data Sheet.