

# CRAYVALLAC WN-1875



---

## TECHNICAL DATA

### 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 flattened 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.

### **PRECAUTIONS FOR USE**

Please refer to the corresponding Safety Data Sheet.

The information contained in this document is based on trials carried out by our technical centres and data selected from literature, but shall in no event be held to constitute or imply any warranty, undertaking, expressed 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.



The world is our inspiration

Arkema  
420 rue D'Estienne d'Orves  
92705 Colombes Cedex - France  
[www.arkema.com](http://www.arkema.com)

[www.crayvallac.com](http://www.crayvallac.com)