CRAYVALLAC® PA3 S 12

Pre-activated amide rheology modifier supplied in styrene
Polyamide

TYPICAL CHARACTERISTICS

Nature	**Polyamide**
Appearance	**Off-white paste**
Active Content (%)	**12**
Solvent	**Styrene and Alcohol**

DESCRIPTION

CRAYVALLAC® PA3 S 12 is a pre-activated amide wax supplied in a mixture of styrene and alcohols. It is a rheology modifier in paste form for post addition in UPR, gelcoats and wood coatings. The use of CRAYVALLAC® PA3 S 12 provides a very simple and direct means of introducing shear thinning rheology with thixotropic viscosity recovery to these systems.CRAYVALLAC® PA3 S 12 is also a very cost efficient alternative to organoclays, and can also be used in combination with fumed silicas and organoclays.CRAYVALLAC® PA3 S 12 is a pre-activated amide paste and provides shear-thinning characteristic resulting with a very high viscosity under the low shear rates associated with sedimentation, and a low viscosity at the much higher application shear rates. The net result is excellent control of sedimentation combined with ease of application. Immediately following application, where low shear conditions again predominate, the coating's viscosity undergoes with controlled thixotropy that enables the final coating to attain very good levelling.

RECOMMENDED ADDITION LEVEL

0.5-5.0% under low to medium shear dispersion

STANDARD PACKAGING

Other packaging may be available upon request

- 15 Kg Pail

HANDLING & STORAGE

It 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.
In these conditions, this product should be used within 12 months from production.

PROCESSING INSTRUCTIONS

In order to obtain maximum efficiency from CRAYVALLAC® PA3 S 12, it is necessary to disperse this product without destroying the crystalline fibres. It is therefore preferable to incorporate CRAYVALLAC® PA3 S 12 under low to medium shear conditions over as short a time period as possible. There are two main methods by which CRAYVALLAC® PA3 S 12 can be incorporated: Direct incorporation: CRAYVALLAC® PA3 S 12 can be directly added into pigmented systems such as gelcoats under medium shear conditions. Master batch preparation : A master batch can be prepared by dispersing CRAYVALLAC® PA3 S 12 in a resin and/or solvent using low to medium shear rates. The dispersion can then be added to the finished formulation.

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

MARKET

Composites & Advanced Materials

Coatings & Inks
- Industrial Coating

Adhesives & Sealants
- Other Adhesives

KEY BENEFITS

FORMULATION
- **Ready to use**
- **Easy handling**
- **Post addition**

STORAGE
- **Antisettling**
- **In-can appearence**
- **Syneresis resistance**
- **Viscosity stability**

APPLICATION
- **Edge-coverage**
- **Sprayability**
- **Temperature resistance**

FILM PROPERTIES
- **Gloss**
- **Levelling**
- **Transparency**

APEO free	**Yes**
Bacteria resistance	**Yes**
Bio content (%)	**10**
Heavy metal free	**Yes**

THICKENING MECHANISM

Non Associative

VISCOSITY CONTRIBUTION

Low Shear contribution