CRAYVALLAC®

TECHNICAL DATA SHEET

CRAYVALLAC® PA3 BA 20

Pre-activated amide rheology modifier dispersed in butyl acetate

Polyamide

17% bio-based product

TYPICAL CHARACTERISTICS

Nature	**Polyamide**
Appearance	**Off-white paste**
Solid Content (%)	**20**
Active Content (%)	**20**
Specific gravity	**0.86**
Solvent	**Butyl Acetate and Alcohol**
Total Bio content (%)	**17**

DESCRIPTION

CRAYVALLAC® PA3 BA 20 is a HAPs-free pre-activated amide wax supplied in a mixture of butyl acetate and alcohol. It is a rheology modifier in paste form with high efficiency (optimum sag resistance and viscosity).CRAYVALLAC® PA3 BA 20 is supplied in the form of crystalline fibres. In a coating system, these fibres form an interacting network. This network gives rise to the shear thinning rheology of the final coating. This shear thinning characteristic provides 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.

RECOMMENDED ADDITION LEVEL

0.5-5% under medium shear

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 24 months from production.

MARKETS

Coatings & Inks
- Graphic Arts
- Industrial Coating
- Textile & Leather Coating

Adhesives & Sealants
- Assembly
- Other Adhesives

KEY BENEFITS

FORMULATION
- Ready to use
- Easy handling
- Post addition

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

APPLICATION
- Edge-coverage
- Sag resistance
- Sprayability

FILM PROPERTIES
- Anticorrosion
- Gloss
- Levelling

SAFER SOLUTIONS
- APEO Free*
- Heavy Metal Free*

** Not intentionally added but not specifically measured (not part of product specification)*

- Total Bio content (%) **17**

CRAYVALLAC® PA3 BA 20

PROCESSING INSTRUCTIONS

In order to obtain the maximum efficiency from CRAYVALLAC® PA3 BA 20, it is necessary to disperse this product without destroying the crystalline fibres. It is therefore preferable to incorporate CRAYVALLAC® PA3 BA 20 under low to medium shear conditions over as short a time period as possible. When using a high-speed disperser, it is recommended that CRAYVALLAC® PA3 BA 20 be added during the final stages of production, when the coating has been partially thinned to a viscosity of 600-800 mPa.s (ICI cone and plate at 10000s-1) and the peripheral speed reduced to approximately 4 ms-1. Too high a speed results in destruction of the active fibres and reduced performance, whereas, too low a speed will result in extended incorporation times. In general, the time required for incorporation should be kept to a minimum in order to minimize damage due to overshear.

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.

THICKENING MECHANISM

Non Associative ●●●●●

VISCOSITY CONTRIBUTION

Low Shear contribution ●●●●●
Mid Shear contribution ●●○○○

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