CRAYVALLAC®

TECHNICAL DATA SHEET

CRAYVALLAC® REV

Micronised polyamide rheology modifier with high Robustness, Efficiency and Versatility

Polyamide

83% bio-based product

TYPICAL CHARACTERISTICS

Nature	**Polyamide**
Appearance	**Off-white micronized powder**
Solid Content (%)	**100**
Active Content (%)	**100**
Specific gravity	**0.93**
Particle size distribution	**DV. 1 min: 1.8 µm / DV. 9 max: 15.0 µm**
Bulk density	**0.4-0.6**
Melting Point (°C)	**115**
Total Bio content (%)	**83**

DESCRIPTION

CRAYVALLAC® REV is a new high performance micronised amide wax rheology modifier offering perfect recoatability for regular, high solids and solvent-free coatings.
CRAYVALLAC® REV has been designed to provide reliability and efficiency in a wide range of coatings. As other CRAYVALLAC® modifiers, it overcomes technical constraints such as seeding, false-body and migration of readily dissolved species to the surface. Even used in strong solvent systems, coatings formulated using CRAYVALLAC® REV offer an enhanced performance and very good recoatability.

RECOMMENDED ADDITION LEVEL

0.2-1.5% under heat and shear

STANDARD PACKAGING

Other packaging may be available upon request

- 15 Kg Bag

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 48 months from production.

MARKETS

Coatings & Inks
- Industrial Coating

KEY BENEFITS

FORMULATION
- Easy handling

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

APPLICATION
- Edge-coverage
- Sag resistance
- Sprayability

FILM PROPERTIES
- Anticorrosion
- Gloss
- Levelling

SAFER SOLUTIONS
- APEO Free*
- Heavy Metal Free*
- Solvent Free*

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

- Total Bio content (%) **83**

THICKENING MECHANISM

Non Associative
Associative
Self Association

VISCOSITY CONTRIBUTION

Low Shear contribution
Mid Shear contribution

CRAYVALLAC® REV

PROCESSING INSTRUCTIONS

The use of high-speed dispersers is ideal for the incorporation and activation of CRAYVALLAC® REV as they develop both the necessary level of shear and temperature. CRAYVALLAC® REV is best added along with the initial charge of resin during the pigment dispersion and grinding stage. Efficient activation will be achieved by allowing the temperature during dispersion to rise to 45 - 65°C (113 - 149°F), but more preferably from 55 - 65°C (131 -149°F), and maintaining this condition of dispersion and temperature for 20 - 30 minutes. Note that the most suitable temperature highly depends on the formulation but that thanks to its robustness negligible differences are expected in the range from 50 to 70°C.

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.

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