CRAYVALLAC® MT

Micronised polyamide modified hydrogenated castor oil rheology modifier
Castor derivative

TYPICAL CHARACTERISTICS

Nature	**Castor derivatives**
Appearance	**Off-white micronized powder**
Solid Content (%)	**100**
Active Content (%)	**100**
Specific gravity	**1.02**
Particle size distribution	**DV.2 min: 4 µm / DV.8 max: 20 µm**

DESCRIPTION

CRAYVALLAC® MT is a micronised amide modified hydrogenated castor oil rheology modifier for solvent-based and solvent-free systems. CRAYVALLAC® MT is suited to systems based on aliphatic hydrocarbons, aromatic hydrocarbons and aromatic hydrocarbon/alcohol blends. Compared to the most basic hydrogenated castor oil based rheology modifiers, CRAYVALLAC® MT is more tolerant to stronger solvents. CRAYVALLAC® MT particles are converted upon activation into an interacting network of fibre like particles. This network gives rise to the final coating's shear thinning rheology. 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

0.2-1.5% under heat and shear

STANDARD PACKAGING

Other packaging may be available upon request

- 20 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.

PROCESSING INSTRUCTIONS

CRAYVALLAC® MT is best incorporated during the pigment dispersion stage using a high-speed disperser. In order to obtain the maximum performance from CRAYVALLAC® MT, the dispersion process should be maintained for a period of 20 – 40 minutes at the recommended temperature: Aliphatic hydrocarbons: 35 - 75°C (95 - 167°F) Aromatic hydrocarbons: 30 - 50°C (86 - 122°F) Aromatic hydrocarbon/ Alcohol blends: 30 - 50°C (86 - 122°F) Solvent free epoxy coatings: 40 - 60°C (104 - 140°F) In addition to solvent-based coatings applications, CRAYVALLAC® MT has been used successfully in a multitude of other applications such as inks, adhesives, mastics, caulks, sealants, fillers, greases and lubricants.

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

Electrical & Electronics

Coatings & Inks
- Architectural Coating
- Graphic Arts
- Industrial Coating

Adhesives & Sealants
- Assembly
- Other Adhesives
- Sealants

KEY BENEFITS

FORMULATION
- **Easy handling** ●●●●○

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

APPLICATION
- **Edge-coverage** ●●●●●
- **Sag resistance** ●●●●●
- **Sprayability** ●●●●●

FILM PROPERTIES
- **Anticorrosion** ●●●●●
- **Chemical resistance** ●●●●○
- **Levelling** ●●●○○

APEO free	**Yes**
Bacteria resistance	**Yes**
Heavy metal free	**Yes**
Solvent-free	**Yes**

THICKENING MECHANISM

Non Associative ●●●●●

VISCOSITY CONTRIBUTION

Low Shear contribution ●●●●●