CRAYVALLAC®

TECHNICAL DATA SHEET

CRAYVALLAC® PC

Micronised hydrogenated castor oil derivative surface additive for powder coatings

Castor derivative

TYPICAL CHARACTERISTICS

Nature	**Castor derivatives**
Appearance	**Off-white micronized powder**
Solid Content (%)	**100**
Active Content (%)	**100**
Specific gravity	**1.1**
Particle size distribution	**DV.2 min: 4 µm / DV.8 max: 20 µm**
Bulk density	**0.4-0.6**
Melting Point (°C)	**86**
Total Bio content (%)	**100**

DESCRIPTION

CRAYVALLAC® PC is a micronised hydrogenated castor oil derivative surface enhancing additive for powder coatings based on PRIMID, hybrid and TGIC technologies. CRAYVALLAC® PC is easily incorporated using conventional pre-mixing techniques prior to extrusion. The use of CRAYVALLAC® PC leads to a substantial improvement in the appearance of the final cured powder coating. This improvement is due to CRAYVALLAC® PC enhancing the flow, levelling and degassing processes during cure. This is the result of CRAYVALLAC® PC greatly reducing the melt viscosity during this critical levelling stage in the cure cycle. This viscosity reduction also enhances the performance of other additives such as acrylic levelling agents and the degassing agent benzoin. CRAYVALLAC® PC works well in both clear and pigmented powder coating systems based on PRIMID, Hybrid and TGIC technologies.

RECOMMENDED ADDITION LEVEL

0.5-2.0% under simple dispersion and blending with other powder components

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® PC works well in both clear and pigmented powder coating systems based on PRIMID, Hybrid and TGIC technologies.

MARKETS

Coatings & Inks
- Industrial Coating

KEY BENEFITS

FORMULATION
- Compatibility ●●●●●
- Ready to use ●●●●●
- Easy handling ●●●●○

APPLICATION
- Air release ●●●●○

FILM PROPERTIES
- Gloss ●●●●●
- Levelling ●●●●●
- Defects reduction ●●●●●

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

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

- Total Bio content (%) **100**

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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