

Powder polyolefin rheology modifier

Polyolefin

Typical Characteristics

| | |
|-----------------------|--|
| Nature | Polyolefin |
| Appearance | Off-white micronized powder |
| Solid Content (%) | 100 |
| Active Content (%) | 100 |
| Specific gravity | 0.93 |
| Acid Value (mg KOH/g) | 4-12 |
| Melting Point (°C) | 112 |
| Viscosity | 200-400 (Brookfield viscosity (cps) @140°C) |

Description

CRAYVALLAC® 60P is a solid powder wax consisting of fine particles of oxidized polyethylene recommended to prevent irreversible hard settling. The fine nature of this dispersion means that CRAYVALLAC® 60P is easily incorporated and activated in coating systems. It is mainly used in industrial and maintenance coatings where its primary function is to provide pigment suspension without any increase in the apparent viscosity. CRAYVALLAC® 60P can generally be used in most solvent-based formulations. Typical applications are epoxy primers, vinyl primers, anti-fouling paints, road marking paints and chlorinated rubber coatings.

Recommended addition level

0.5-3% under medium 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 delivery.

Processing instructions

CRAYVALLAC® 60P can be incorporated using most high shear dispersion equipment. It is particularly suited to incorporation by high-speed disperser. These conditions develop both the necessary temperature and shear for efficient activation. CRAYVALLAC® 60P is best added to the high-speed disperser following the initial charge of binder, pigments and extenders prior to the dispersion stage. Efficient dispersion and activation requires the generation of a temperature in excess of 50°C (113°F) during the dispersion stage. One additional advantage to be gained from CRAYVALLAC® 60P is that when used in conjunction with amide based rheology modifiers such as CRAYVALLAC® SUPER and CRAYVALLAC® ULTRA a synergistic effect is often observed in that a disproportionately higher than expected level of anti-settle and sag resistance performance is obtained.

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.

Coatings & Inks
- Industrial Coating

Key Benefits

Formulation

- Easy handling
- Ready to use

Storage

- Antisettling
- In-can appearance
- Viscosity stability

Application

- Sprayability
- Temperature resistance

Film Properties

- Gloss
- Levelling
- Transparency

APEO free: Yes

Bacteria resistance: Yes

Heavy metal free: Yes

Solvent-free: Yes

Thickening mechanism

| | |
|------------------|-------|
| Non Associative | ●●●●● |
| Self Association | ○●●●○ |
| Associative | ○●●○ |

Viscosity contribution

| | |
|-------------------------|------|
| Low Shear contribution | ●●●○ |
| Mid Shear contribution | ●●○ |
| High Shear contribution | ●●○ |