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NEW-0451**Anti-settling Micronized Amide Wax****Chemical Composition**

Polyamide Wax

Technical Parameters

Nature of the Product		NEW-0451
Appearance	Ultrafine White Powder	
Particle Size	μm	
	Dv50	< 8
	Dv90	16
Density	g/cm^3	1.01
Melting Point	$^{\circ}\text{C}$	136

Characteristics and Purposes

- NEW-0451 is ultrafine white wax, which has excellent thixotropy in various kinds of coating systems. It can provide good thickening, anti-settling and anti-sagging effect. Has good thixotropy, suitable for various kinds of solvent coating systems. Especially in marine paint and anti-corrosive paint, it can form a mesh structure with the effect of anti-settling and anti-sagging.
- NEW-0451 has high melting point, with the feature of high-temperature resistance, it will not turn back to crude wax.

Use method & levels

- Be used as the anti-settling additive, use level is 0.2-0.5%, and when used as the anti-sagging additive, the use level is 0.5-2%, the use level depends on different systems.

- The polyamide wax powder will activate fully under the high shear condition and appropriate temperature
- Add this amide wax into coating systems to make dispersion first before adding pigment and fillers, will good for the wetting and activation.
- Carefully temperature control in the process of dispersion and grinding can make the polyamide wax powder active fully, and without turning back to crude wax. The activation time and activation temperature has deep relationship with solvent systems.
- Recommended activation temperature: Polar solvent 43-50 $^{\circ}\text{C}$; Aromatic solvent 50-55 $^{\circ}\text{C}$; Fat solvent: 65-70 $^{\circ}\text{C}$. Add 1-2% in nopolar solvents isopropanol can reduce the activation temperature.
In the dispersion or grinding machine, the activation time should be about 20 to 30 minutes.

Packaging and Storage

- Paper-plastic bag, net weight: 20 kg / bag.
- This product is non-dangerous goods. Please store in a place away from ignition sources and strong oxidants.