

Lanco™ HM 1666

Micronized, Very High Melt Point, Amorphous Amide Wax

Lubrizol

TECHNICAL DATA SHEET

Performance

Lanco HM 1666 is an additive with an unusually high melting range, for use in solvent-containing coatings.

Lanco HM 1666 provides the following benefits:

- Provides excellent antiblocking properties, especially at elevated temperatures
- Enhances scratch resistance
- Improves resistance to scuffing
- Provides a satin gloss
- Increases slip
- Complies with FDA regulation 21 CFR 175.300 as a side seam cement component in container coatings

Typical Applications

Lanco HM 1666 is useful in a wide range of applications, including:

- Can coatings
- Coil coatings
- Industrial coatings

Based on:

- Thermosetting/thermoplastic polyesters
- Thermosetting/thermoplastic acrylics
- Thermosetting alkyds
- Thermosetting epoxies
- Thermoplastic PVC

Incorporation

Lanco HM 1666 can be easily dispersed into liquid coatings using low speed mixers. Formulation variables such as viscosity, solvent package, resin type, selection of dispersant, pigment surface treatment, etc. can influence the ease of incorporation. High-energy dispersers may offer advantages in some applications.

June 4, 2007

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Addition Levels	To improve surface finish (slip, mar, scratch and abrasion resistance), the recommended addition level of Lanco HM 1666 is 0.1-2.5%, based on total formulation weight.	
	To provide matting, the recommended addition level of Lanco HM 1666 is 1-5%, based on total formulation weight. Combinations of Lanco HM 1666 and silica products can provide synergistic results.	
Typical Properties	Appearance	Fine Pale Yellow Powder
	Chemical Type	Amorphous Amide Wax
	Particle Size*, Median (Dv50- μ)	≤ 9
	Dv90- μ	≤ 22
	<i>*Determined by Laser Diffraction</i>	
	Density g/cc @ 20°C (68°F)	0.99
	Softening Point °C (°F)	≥ 186 (367)
	Acid Value (mg KOH/g)	≤ 10
	Hardness (ASTM D-1321)	1
Packaging and Storage	Lanco HM 1666 is packaged in 15 kg (33 lb) bags, 15 bags per pallet.	
	Material should be stored on pallets in closed areas. A storage temperature of 30°C should not be exceeded.	
Regulatory Status	Lanco HM 1666 complies with FDA regulation 21 CFR 175.300 as a side seam cement component in container coatings.	
	All components comply with the chemical control laws and notification requirements of the United States (TSCA), Canada (DSL), European Union (EINECS/ELINCS) and Japan (ENCS). Complete, up-to-date worldwide regulatory information is available on the Material Safety Data Sheet.	