



H-1330 Soft Feel Agent (Coatings, Inks, and Paints Additive)

Crosslinkable Organically Modified Polydimethylsiloxane

Product Description:

H-1330 is an organosilicone polymer with dual functional groups and high reactivity. It imparts excellent soft feel, anti-adhesion, and high-temperature release and demolding properties to coating surfaces.

Key Advantages:

- High-temperature crosslinking, mostly used in thermosetting systems.
- Suitable for both water-based and oil-based systems.
- Permanent soft feel with a velvet-like touch.
- Excellent anti-adhesion properties.
- Good release properties.
- Excellent compatibility with resins, enhancing gloss.

Typical Properties:

These values are based on internal SiO New Material test data and are for reference only.

Parameter	Value
Appearance	Clear to cloudy liquid
Active Content %	100
Closed Cup Flash Point °C	>100
Refractive Index 25 °C	1.4250±0.0050
Viscosity 25 °C cps	1000-5000
Specific Gravity 25 °C	1.05±0.05

Application Systems and Recommended Dosage (as a percentage of the total formulation):

- Water-based PU coating slurry: 1.0-3.0%
- Water-based amino baking paint: 0.5-2.0%
- Water-based PU baking paint: 0.5-2.0%
- Water-based PA printing paste: 1.0-1.5%
- Alcohol-based polishing oil: 0.1-0.3%
- Water-based polishing oil: 0.3-1.0%
- Water-based PU leather: 0.5-1.5%



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- Oil-based amino baking paint: 1.0-2.0%
- Oil-based baking PU varnish: 1.0-2.0%

Note: The optimal dosage should be determined through a series of experiments due to the variety of resin systems and required functionalities.

Usage Method:

- Can be added directly during the paint production process or post-added; it must be uniformly dispersed at high speed.
- It is recommended to dilute with alcohol solvents 1-2 times before adding to achieve the best system compatibility.

Precautions:

- The product may become cloudy or solidify at temperatures below 18°C (due to the product's structure). Heat to dissolve before use; repeated solidification and reheating will not affect its performance.
- For convenience, it is recommended to dilute H-1330 to a 20% solution for standby use.

Usage Limitations:

- This product has not been tested or represented as suitable for use in food, medical, or pharmaceutical applications.

Storage and Shelf Life:

- Store unopened at room temperature. The shelf life is 18 months from the date of manufacture.

Packaging:

- Finished product packaging: 25KG iron drum