

# H-1966 Water-based Hand Feeling Agent

## Self-crosslinking Polysiloxane Emulsion

**Product Description:**

H-1966 is a self-crosslinking polysiloxane emulsion that forms a silicone elastic film. It provides an elastic and soft, smooth hand feeling with good anti-blocking properties. The emulsion has uniform particle size, good miscibility with resin, and can be applied in natural leather coating, tanning agents, and water-based ink.

**Main Advantages:**

1. Self-crosslinks into a silicone elastic film.
2. Provides a soft feel with no stickiness.
3. Increases gloss and black brightness.
4. Emulsion particle size is uniform.
5. Stable storage and easy to add to formulations.
6. Wear-resistant and anti-adhesion.

**Typical Physical Properties:**

Parameter	Value
Appearance	White emulsion liquid
Working Content (%)	38.0±3.0
pH Value	6.5-8.5
Ionicity	Weak cationic
Diluting Agent	Water

**Typical Applications:**

Application	Dosage (%)	Effect
Water-based leather treating agent	1.0-5.0%	Provides an elastic, soft, smooth feel
PU leather coating and natural leather tanning agent	Dilute with water by 1:200	Offers soft feel and anti-sticking properties
Water-based plastic paint and industrial paint	1.0-3.0%	Adds elasticity and soft texture
Water-based printing ink	1.0-5.0%	Delivers an elastic, soft, smooth feel



**Application Method:**

Add during or after the production process of water-based paint or finishing agents. For leather tanning, dilute with water by 1:200-400 before use.

**Similar Items and Function Comparison:**

Function\Item	1062	1962	1966
Effective Content (%)	84	50	40
Feel Style	Super smooth	Soft smooth	Elastic soft
Smoothness	★★★★★	★★★★★	★★
Elasticity	★★	★★★★	★★★★★★
Gloss	★★★	★★★	★★
Softness	★★	★★★★★	★★★★★★
Long-lasting Feel	★★★★★	★★★★★	★★★★★★
Compatibility	★★★	★★★★★	★★★★★
Dilute Stability	★★★	★★★★★	★★★★★★
Wear Resistance	★★★★★	★★★	★★★★★
Anti-sticking	★★★	★★★	★★★★★
Water\Oil\UV	Y/N/N	Y/N/N	Y/N/N

**Conclusion:**

All three products are water-based silicone touch modifiers. 1062 provides a super smooth feel with high wear resistance. 1962 offers a soft feel with no stickiness. 1966 is elastic, soft, durable, self-crosslinking, and anti-adhesion.

**Use Restrictions:**

This product has not been tested or approved for medical, pharmaceutical, or food-related applications.

**Storage and Validity:**

- Store unopened below 38°C.
- Shelf life: 18 months from the production date.

**Product Packaging:**

- **Finished Product:** 50KG plastic drum