

Silicone Resin Emulsion LR-E168

Description

This resin is a non-ionic methyl/phenyl silicone resin emulsion designed for heat-resistant industrial coatings. It provides excellent high-temperature resistance, strong film formation, and effective air-drying properties. It can be used alone or blended to create heat-resistant gloss varnishes. The varnish withstands temperatures up to 350°C, while colored coatings can resist temperatures between 650–700°C. It is water-dilutable and has excellent compatibility with organic resins. When combined with acrylic, polyester, or epoxy resins, it balances the decorative properties of organic resins with the heat resistance of silicone resins.

Typical Technical Properties:

Items	Index	Test method
Appearance	Milk white liquid	GB1721
Viscosity (4# cup) S	15-40	GB1723
Solid content (150°C, 2h), %	50±2	GB1725

Application

1. Ideal for industrial heat-resistant applications such as boilers, heat source pipelines, electric heaters, and furnaces.

2. Suitable for use in ovens and other heat-resistant cooking equipment.

Package & Storage:

In 200kg, 50kg plastic bucket packaging; Stored sealed in a cool and dry environment at 5~36°C. The shelf life is 6 months(can still be used if the product is qualified after the expiration date).

Use Reference:

It is recommended to first prepare a water-based resin-free color paste before mixing it with the resin emulsion. The resin emulsion exhibits excellent self-drying properties at room temperature, providing early protection and facilitating transportation of coated workpieces. However, for optimal heat resistance and enhanced mechanical properties, curing at 200–280°C for 15–60 minutes is advised.

Nanjing Silfluo New Material Co., Ltd.

Web: www.silfluosilicone.com Email: inquiry@silfluo.com

The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.