Hydroxyphenyl Silicone Resin Intermediate LR-THP10

Description:

LR-THP10 is high temperature resistant hydroxyphenyl silicone resin intermediate. It is a silicone oligomer containing propyl, phenyl and hydroxyl groups. By mixing with an organic resin containing an active hydroxyl group, a methanol removal reaction can be carried out under heating, and the heat resistance, weather resistance and corrosion resistance of the organic resin system can be imparted.

Typical Technical Properties:

Appearance: Solid flake

Functional Groups: Silanol

Silicon Dioxide Content: 50~52%

Phenyl/Propyl Proportion: 2.7/1

Average Molecular-weight: 2600~3200

Solid Resin Content (1, 5g, 3h at 135°C) : 99% min

Softening Point: 40~50°C

Applications:

1. Used in maintained coatings, electrical coatings, coil coatings and architectural coatings, after many years of exposure to the outside, still exhibit good chalking resistance and maintain their own luster and color;

3. Used in high-temperature coatings prepared from silicone-organic copolymers or cold pastes exhibit excellent gloss retention and color retention which can be used in high temperature equipment such as heaters, ovens, and incinerators;

4. Silicone cold-mixed organic resin blends can also be used in powder coating applications where better weatherability and heat resistance are required.

Package &Storage:

In 25kg bag.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 24 months from the date of production. It is shipped as non-hazardous substance.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.