



## Organosilicon Intermediate LR-TMP20

### Description

This product is a low-molecular-weight methyl/phenyl intermediate silanol with high reactivity. It is synthesized using methyl monomers, phenyl monomers, and specialized silane monomers through a specific polymerization process.

### Typical Technical Properties:

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Appearance	Colorless or light yellow transparent liquid, opalescence is permitted
Solid content %	60 ±1
Viscosity (4# cup, 25°C), S	10 -15
Acid value, mgKOH/g	≤ 10
Hydroxy content, %	3-5

Mark: The above data are for reference only and should not be used as preparation specifications

### Application

It is suitable for incorporating compatible silicone components into other resins such as acrylic, polyester, and epoxy base materials to enhance heat and weather resistance. For instance, adding 30% organosilicon intermediate can improve the continuous heat resistance of organic resins to 300–350°C. Additionally, it can undergo further condensation to produce pure organosilicone resin.

### Package &Storage:

In 200kg drum.

Keep in cool, dry place. Avoid acid and alkali contact. Avoid direct sunlight. Stored and transported as dangerous goods. The shelf life is half a year(can still be used if the product is qualified after the expiration date).

### Use Reference:

1. The diluent used with this product should be free of water, acids, alkalis, amines, and other reactive substances, as they may impact adhesion, drying, and other properties of the paint film.
2. This product contains toluene and other flammable, volatile solvents. Proper ventilation should be ensured during handling. Take precautions against fire, static electricity, and ignition sources. Operators must adhere to safety guidelines and wear protective equipment.
3. This product can be diluted using ketones, esters, toluene, xylene, and similar solvents.