



Vinyl Phenyl Silicone M/Q Resin LR-MQP

Description:

LR-MQP is Phenyl Vinyl Polysiloxane.

The cured film of MQP has high hardness, high refractive index, good light transmission, good film-forming property, moderate flexibility, corrosion resistance, ultraviolet radiation resistance, strong solvent resistance, water resistance and ablation resistance Radiation, good high temperature resistance, no viscosity increase and so on. The finished product has the excellent characteristics of strong aging resistance, good UV resistance and no yellowing after long-term use. Very low volatile and impurity content, the impurity content is less than 50ppm.

Typical Technical Properties:

Item	LR-MQP-71	LR-MQP-72	LR-MQP-171	LR-MQP-172	LR-MQP-451
Appearance	Colorless to light yellow clear liquid	Colorless to light yellow clear liquid	Colorless to light yellow clear liquid	Colorless to light yellow clear liquid	Colorless to light yellow clear liquid
Viscosity (25°C, mPa.s)	7000~9000	7000~9000	17000~20000	17000~20000	45000~60000
Vinyl Content(%)	5.23~5.37	5.17~5.38	5.30~5.65	5.62~5.97	5.50~5.90
Refractive Index	1.5320~1.5380	1.5250~1.5290	1.5380~1.5420	1.5310~1.5360	1.5300~1.5400
Volatile Content (150°C/3h, %)	≤1	≤1	≤1	≤1	≤1

Note: It could be customized upon requirement.

Technical Data Sheet



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Applications:

1. High-temperature corrosion-resistant pipes and containers: Phenyl vinyl silicone resin can withstand high temperature, strong acid and alkali corrosion. It's used to manufacture high-temperature corrosion-resistant pipes and containers, which are widely used in chemical, petroleum, pharmaceutical and other fields;
2. High-strength composite material: Due to its excellent mechanical strength and heat resistance, it can be combined with glass fiber, carbon fiber and other materials to make high-strength, high-rigidity composite materials, which are widely used in aviation, aerospace, automobiles and other fields;
3. Electronic material: Due to its excellent insulation performance and high temperature resistance, it can be used to manufacture electronic components, circuit boards and other electronic materials to ensure the stability and reliability of electronic equipment;
4. Used in the manufacture of silicone packaging adhesives for high-power and high-refraction LEDs, potting, sealing, bonding and coating(encapsulation protection) in optoelectronics, electronics and microelectronics industries, high light transmission, high hardness lenses and other uses developed by users;
5. Insullac: impregnated coil; impregnated glass cloth and casing pipe; bonded mica insulation; electronic element protection;
6. Organic silicone pressure sensitive adhesive.

Package &Storage:

In 25kg pail, 200kg drum.

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.

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