

# XJY-9860/9866

## Methyl vinyl MQ silicone resin and vinyl silicone oil solution

### **Jiangxi New JiaYi New Materials Co.,Ltd (XJY Silicones)**

founded in 2003, a national high-tech enterprise and a national "specialized and new" small giant enterprise, focusing on the R&D and production of silicone materials and polymer materials.

develops silicone-based new materials, with silicone resin as the core. The company's products are widely used in various industries, including electronics and electrical appliances, construction materials, automotive and transportation, aerospace, medical and nursing care, daily chemicals and textiles, new energy, industrial additives, and other emerging fields.

Xinjiayi is committed to environmental protection and sustainable development, actively researching and developing eco-friendly products. We uphold innovation, providing customized solutions and technical support to our customers, with the goal of becoming a leader in the silicone materials industry.

# XJY-9860/9866

## —Methyl vinyl MQ silicone resin and vinyl silicone oil solution

### ● Product Description

XJY-9860/XJY-9866 Methyl Vinyl MQ Silicone Resin and Vinyl Silicone Fluid Solution is an additive specifically designed to enhance the mechanical properties of addition-cured silicone elastomers.

XJY vinyl products consist of vinyl-functional silicone polymers and vinyl-functional MQ resins. This product combination is particularly suitable for the formulation of filler-free, transparent systems with high mechanical property requirements. In addition, it can significantly enhance the mechanical properties of formulated systems containing fillers. The introduction of vinyl functional groups can significantly increase the crosslink density of elastomers. In silicone elastomers, vinyl reacts with silicone hydrogen groups in an addition reaction to form a highly crosslinked network structure, which enhances the mechanical properties of the elastomer. This crosslinked structure enhances properties such as tensile strength, tear strength and modulus of the material.

### ● Product features

- Good tensile strength and tear resistance
- High temperature resistance
- High transparency
- Ultraviolet and weather resistance

### ● Typical featur

Brand	XJY-9860	XJY-9866
Appearance	Methyl vinyl MQ silicone resin and vinyl silicone oil solution	
Refractive index	1.406	1.406
Viscosity@ 20 °C	6000CPS	60000CPS
Vinyl Content	0.22 mmoles/gm	0.20 mmoles/gm

### ● Applications

- Highly Transparent, High Hardness VMQ Silicone Rubber,
- VMQ Silicone Rubber Curing Agent,
- Reinforcement Filler for Adding Molded Silicone Rubber,
- Low Hardness VMQ Silicone Elastomer,
- Silicone Gel

### ● Packaging, storage and transportation

XJY-9860/9866 Methyl Vinyl MQ Silicone Resin and Vinyl Silicone Oil Solution Packed in 25 kg drums. Packaging options are available on request. Stored in original unopened containers at 25°C or below, this product has a shelf life of 18 months from date of manufacture. If shelf life is exceeded, the product should be rechecked.

### ● Packaging, storage and transportation

- ◆ The pH of the solution of this series of products is close to neutral. If it gets on the skin (or eyes), flush with water and seek immediate medical attention.
- ◆ This product has not been tested and is not considered suitable for medical or pharmaceutical use.
- ◆ Does not contain product safety information required for safe use. Before handling, read product and safety date sheets to ensure safe use.