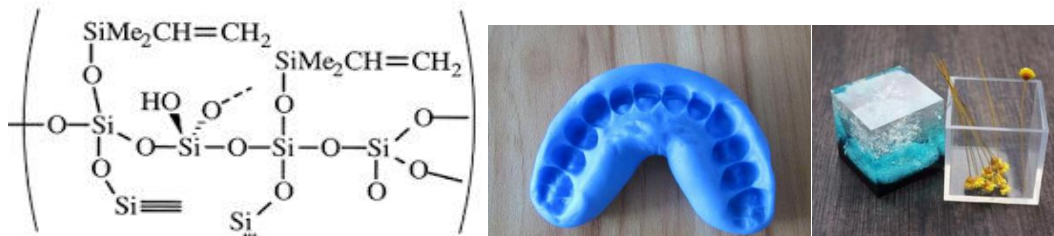


XJY-8206

Methyl Vinyl MQ resin (VMQ or VQM resin)

Molecular Formula



1.PRODUCT FEATURES

XJY-8206 VMQ silicone resin is a silicone resin composed of monofunctional Si-O unit (M unit "mono") and tetrafunctional Si-O unit (SiQZ referred to as Q unit "quad"). It has a tight double-layer structure ball. It is generally a powder, soluble in a variety of organic solvents such as aromatic hydrocarbons/petroleum hydrocarbons, but insoluble in water.

2.TYPICAL PROPERTIES

Product Name	Methyl Vinyl MQ resin
Item	XJY-8206
molecular weight	2500-4000
Vinyl content	1.8%-4.5%
Appearance	White Powder
Solid Content (%.≥)	99%
M/Q Ration	0.6-1.2

3.APPLICATIONS

XJY-8206 methyl vinyl silicone resin is mainly used in high transparency and high hardness silicone rubber, as an addition filler for LSR two-component liquid silicone rubber.

Due to the presence of vinyl groups on the molecule, it can be cross-linked with the hydrogen-containing silicone oil in the LSR two-component cross-linking agent to improve the hardness and mechanical strength of the system.

In addition, vinyl MQ resin and two-component addition molding silicone rubber systems are increasingly widely used in the field of dentistry. Since the base material is Vinyl Polysiloxane (VPS), it is referred to as VPS material. The crosslinking agent is hydrogen-containing silicone oil. The catalyst is platinum salt or chloroplatinic acid. After the materials are mixed, an addition reaction occurs between the vinyl group of the vinyl polysiloxane and the vinyl group of the VMQ resin and the silicon-hydrogen bond of the hydrogen-containing silicone oil, and the addition reaction is fast and complete. No by-products are produced. It has a short reaction time, excellent dimensional accuracy and stability, and a stable silicon-oxygen main chain. The grid can be slid and oriented under force, and has good mechanical properties.

The main purpose of adding VMQ resin to the VPS system is because the addition of white carbon black will greatly increase the viscosity of the system. Adding VMQ resin to replace part of the white carbon black can increase the strength after vulcanization without significantly affecting the viscosity.

4.PACKAGING

XJY-8206 powder is packed in 25 kg cardboard drums or 15 kg cartons. If you have special requirements, it can be customized through consultation.