Production process and basic knowledge

Introduction: Silicone glue is a kind of ointment-like material that solidifies into a tough rubber-like solid when exposed to moisture in the air. Mainly divided into deacetic acid type, dealcoholization type, deamination type, depropylation type. Because silicone glue is often used in the bonding and sealing of glass, it is also called glass glue.

The role of silicone

Silicone glass glue has strong adhesion, high tensile strength, and at the same time it has the characteristics of weather resistance, vibration resistance, moisture resistance, odor resistance and adaptability to large changes in cold and heat. It can be used in many aspects and has strong applicability. For example, glass glue can realize the bonding of most building materials and glass, so it has great application value in the social market.

Classification

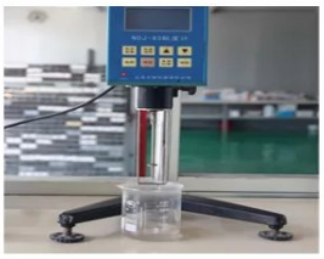
According to product packaging, it can be divided into one-component and two-component. One-component silicone rubber, its curing is to change its physical properties by contacting with moisture in the air, and two-component silicone rubber is divided into two groups, A and B. When any group exists alone, it will A cure cannot be formed, a cure is formed when the two components are mixed. Most of the silicone glue on the market is the former. According to the nature of one-component silicone glass glue, it can be divided into two kinds: acid glue and neutral glue. Acid glass glue is mostly used for bonding between most building materials and glass. Neutral silicone glue avoids the reaction between acid silicone glue and alkaline silicone glue, so it is more widely used.

Loyal Silicone rubber production process

Reaction kettle - 107 glue production ? internal circulation of materials in kneader, full dehydration - glass glue base material production ? three-roller mixing, grinding of aggregated materials ? strong disperser/planetary mixer/power mixer for refining and mixing --Dispersing, stirring, mixing, reacting, vacuuming ? hydraulic discharge machine -- hydraulic discharge ? automatic/semi-automatic filling.

Workshop and Equipments

Quality Control and Warehouse



Production process precautions

The acid glass glue will release some irritating gas when it is solidified, and the released gas is irritating to human eyes and respiratory tract. For example, alcohol-based neutral adhesives release methanol during curing. According to medical knowledge, methanol has potential carcinogenic potential, and it is an allergic substance to the skin and respiratory tract. The volatilized gas during the production process can cause inflammation of the eyes, nose and throat. Therefore, this product should be used in a well-ventilated environment to promote gas circulation and facilitate gas volatilization. Avoid getting into the eyes or contacting the skin for a long time (after use, wash your hands before eating and smoking), and do not swallow this product. In addition, it should be noted that you do not let children touch; the construction site should be well ventilated; if accidentally splashed into the eyes, immediately rinse with water and seek medical attention immediately. Fully cured glass glue is not dangerous.