

Methyl Vinyl Silicone Rubber (Silicone Gum)

Product Name: Methyl Vinyl Silicone Rubber (Silicone Gum)

Molecular Formula: $\text{RMe}_2\text{SiO}(\text{Me}_2\text{SiO})_n(\text{MeViSiO})_m\text{SiMe}_2\text{R}$ (R: Me, Vi)

CAS No.: 67762-94-1

Product Standard: T/ZZB 0232-2017

Physical and Chemical Properties: Excellent Thermal Stability

Relative Density (water=1): 0.97

Appearance: Colorless transparent without mechanical impurity

Technological Index:

Item No.	Molecule Weight/ 10^4	Content of Ethylene/%	Volatile Compounds/%
110-0	45~85	0.03~0.06	≤ 1.0
110-1	45~85	0.07~0.12	
110-2	45~85	0.13~0.18	
110-3	45~85	0.19~0.24	
110-4	45~85	0.25~0.50	≤ 1.0
112-0	45~85	0.03~0.06	
112-1	45~85	0.07~0.12	
112-2	45~85	0.13~0.18	
112-3	45~85	0.19~0.24	≤ 1.5
112-4	45~85	0.25~0.50	
112-5	45~85	0.60~1.40	
112-6	45~85	1.50~2.40	
112-7	45~85	2.50~3.40	
112-8	45~85	3.50~4.40	
112-9	45~85	4.50~5.00	

Note: (1) 110 is for vinyl terminated gum and 112 are for methyl terminated gum.
(2) Other specifications will be followed according to contract.

Properties and Uses

It can not dissolve in water, but dissolve in organic solvents such as methyl benzene, etc. It has excellent properties such as small compression deformation, resistance to saturated vapor pressure. It can be used in manufacturing sealing material resisting to high and low temperature, waterproof, moisture-resistant and insulation material in aviation, mechanical, chemical industry, etc. Due to its physiological inertia, it can be used to manufacture artificial organ and medical rubber pipe in medical fields, as well as raw material for high temperature silicone rubber.

Package, Storage and Handling

Net weight 25kg/carton (plastic-lined paper box). Store in a cool, dry, well-ventilated area away from strong oxidizing agents. Avoid to contact alkalis and acids substances and lead; It is non-hazardous substance. Be careful when loading and unloading to avoid damages of the package. During transporting, protect against damp, water, acid and alkali.

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials, any sources of ignition or heat.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: In case of a fire, oxides of carbon, hydrocarbons, silicon oxide, fumes, and smoke may be generated by thermal decomposition or combustion.

Hazardous Polymerization: Will not occur.