

# Fluorosilicone Base Extrusion Type

## Composition

Uncatalyzed fluorosilicone rubber based on fluorosilicone gum, and mixed evenly with some kinds of fillers and additives.

## Characteristics

AFS®-R-M2000 is pale-yellow translucent fluorosilicone base, it's suitable for extrusion application. It has integrated advantages that both the silicone rubber and fluororubber have.

1.Wide application temperature range (-60°C~200°C); 2.Similar resistance to solvent & fuel oil to that of fluororubber; 3.Keeping high tensile force retention at high temperature which is like silicone rubber; 4.High insulation; 5.High selective permeability meets requirements of environmental protection.

Therefore it can be used as seal material in special condition with requirement of resistance to high and/or low temperature, oil and some other chemical mediums.

Items	Testing method	Index			
		M2040	M2050	M2060	M2070
Appearance	Eyeballing	translucent, smooth surface, without visible impurities			
Hardness (shore A)	GB/T 531.1	40±5	50±5	60±5	70±5
Specific Gravity (g/cm <sup>3</sup> )	GB/T 533	1.44±0.03	1.44±0.03	1.47±0.03	1.50±0.03
Tensile Strength (MPa) Die 1	GB/T 528	≥9	≥9	≥8	≥7
Elongation at Break (%) Die 1	GB/T 528	≥400	≥350	≥300	≥250
Tear Strength (KN/m) Die C	GB/T 529	≥30	≥30	≥30	≥25
Compression Set 177°C22hr (25%) B type	GB/T 7759.1	≤35	≤35	≤35	≤45
Volume change (reference fuel B) (%) (23°C×70hr)	GB/T 1690	≤25	≤25	≤25	≤25

Properties obtained using 1.5phr DCBP. Molded 15min at 105°C, post-cured 4hr at 200°C. If other cure temperature needed, vulcanization system shall be changed.

## Application

- 1.Suitable for extrusion application.
- 2.Can be applied in aviation industry, auto industry, petroleum chemical industry, medical and health care industry.

## Package

Plastic bags, 12.5kg per sack, 2 sacks in 1 carton.

## Storage

Shall be stored in dry and ventilated places at room temperature (25°C). Validity is 1 year.

## Transportation

Transport it as non-dangerous cargo.

## Attention:

- 1.The product shall be kept neutral, avoid being contacted with acid, alkaline substance.
- 2.The product can flow under its own weight. Keep it in good condition of packing during transportation and application in order it not to flow out.