

Fluorosilicon Elastomer

AFS[®]-R-H1100

Composition

low molecular weight polymer of methyl-(3,3,3-trifluoropropyl)siloxane.

Characteristics

It is a room temperature vulcanized fluorosilicone elastomer; its molecular weight is only tens of thousands. It is easy to process and convenient to apply because of its low molecular weight. Meanwhile it still keeps good performance owned by the high molecular weight fluorosilicone elastomer, such as resistance to chemical mediums, oil and wide temperature application range. It can be cured under room temperature, so it can be used as adhesive agent and sealing agent, as well as auxiliary agent in industry.

Items	Index							
	R-H1101				R-H1102			H1103
	H1101-L	H1101-1	H1101-2	H1101-3	H1102-1	H1102-2	H1102-3	
Appearance	Colorless, odorless or pale-yellow transparent sticky liquid, no visible impurities							
Viscosity (Pa.s)	0.5~1	1~10	10~20	20~40	41~70	70~90	90~130	131~210
PH Value	5.5~7							
Content of volatile components (180°C×3hr)	<3%							

Application

Applied in places where need fluorosilicon elastomer but difficult to treat, such as aerospace, petrochemistry, mechanical manufacturing and transportation industries.

1. Integral sealing or caulking for oil tank of aircrafts.
2. Bonding, fixing and mending for fluorosilicone rubber parts. Bonding silicone rubber and fluoro rubber.
3. Agglutinating small parts under difficult conditions such as in limited space, irregular trough, seam, ditch and in some kinds of mini motor. Adhering for some places need solvent cleaning.
4. Bonding and sealing applications where parts must resist fuel oil or non-polar solvent. Like narrow and small space, irregular surfaces and other parts difficult to be fixed, whole sealing and caulking of fuel operating system support plate or fuel tanker; bonding and potting of LED or silicon solar cell and so on.

Package

PE drums. Each drum is 1kg/5kg/10kg.

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 substances.
2. The product is transparent. Once you find it is no longer transparent, please stop using it.