



Changzhou Juyou New Material Tech Co.,Ltd.

JY-916 Silicone Rubber for Electric Cable Accessory

1. Product characteristics

Excellent Fluidity
 High Strength and high Tearing Strength
 Good electrical insulation
 Fast vulcanization speed with heating
 Injection molding way

2. Application

For contraction electric cable joint connector
 Electric cable accessory

3. Main technical index

Item		Unit	Technical Index	Testing Index
			JY-916	
Before cured	Appearance	A	Semi-transparent	Visual Inspection
		B	Gray	
	Mixing Ratio	A:B	1: 1	
	Shelf Life, 25°C	D	7	
After cured	Tensile Strength	MPa	8.0	GB/T 528-2009
	Elongation	%	500	GB/T 7124-2008
	300% Stretching strength	MPa	3.8-4.1	GB/T 7124-2008
	Tearing Strength	kN/m	≥22	GB/T 1692-2008
	compression set	%	<5	GB6669
	Shore A Hardness		35~40	GB/T 531.2-2009
	Dielectric Strength	MV/m	≥20	GB/T 1693-2007
	Dielectric Loss	50Hz	1.5×10^{-3}	GB/T 1693-2007
	Dielectric constant	50Hz	2.80	GB/T 1693-2007
	Volume Resistivity	Ω.cm	1×10^{15}	GB/T 1692-2008
Electric leakage resistance			1A4.5	GB6553/IEC60587

Curing speed: 100°C×10min vulkometer data: TC10 8'16", TC90 10'39"
 105°C×10min vulkometer data: TC10 3'20", TC90 4'19"
 110°C×10min vulkometer data: TC10 2'39", TC90 3'30"

4. Color of product

Can be done according to client's demand

5. Usage and dosage

Weight: Weigh component A and B according to mixing ratio, put the A and B to the separate spare storage drum of injection equipment,

Mix: Mixing the A and B according to the mixing ratio in Motionless mixer.

Inject the mixture (A and B) to the forming-mold. The working time for the mixture (A and B) under room temperature (25 °C) is on or 7days. Or shorten the working time by heating.

If stop the injection molding equipment for long time, should clean up the balanced mixture rubber in (Motionless mixer) or remove and put the Montionless mixer in the low temperature environment (- 10 °C).

Sulfuration: This product can be cured quickly by heating. the curing time is just 10 minutes at 120 °C. If the forming-mold is bigger, the curing time will be longer accordingly.

6. Matters to be attention

During the storage and using procession, the sealant should be avoided contact with the heavy metal as nitrogen, phosphorus, sulfur and its compounds, otherwise it will influence the curing performance of the adhesive.

Storage A and B separately, using them in short time after mixing.

7. Package

Packed in 200L with steel pail, A and B is packed separately.

The package way can be done according to client's demand.

8. Product packaging and storage

This product should be stored in a cool and drying place under the room temperature, the shelf life is 12 months from the date of manufacture, please pay attention to the date of manufacture on the product packaging

The products is stored and transported according to the non-dangerous goods

9. Safety instruction

This product is non-toxic after curing completely, but you should avoid contacting it with eyes before curing, otherwise cleaning your eyes with plenty of water or go to the hospital; children should be avoided contacting with the uncured liquid products.

10. Attention

This data is based on the knowledge and experience of our company. And according to the difference of environment and conditions, it is recommended that the customer should learn about the product details and test it to ensure the efficiency and safety of product before using. Here we are declaring that the technical indicators or suggestions that we are providing is just for reference, we do not take any legal responsibility for this.