

## CYG-FKM HIGH TEMPERATURE FLUOROELASTOMER HEAT-SHRINKABLE TUBING

Very flexible at high and low temperatures without cracking. Made from modified fluoroelastomer, CB-FKM is used for applications at elevated temperatures, has superior chemical and solvent resistant properties. It reliably protects wires, solder joints, terminals, connectors and components from most industrial fluids, solvents and chemicals.

Standard : SAE-AMS-DTL-25053



### Specifications

Items	Test method	Specifications
Min. Shrink temperature		175°C
Operating temperature range	IEC216	-55°C ~ +200°C
Tensile strength	ASTM D638	≥8MPa
Elongation at break	ASTM D638	≥250%
Longitudinal change		≤10%
Elongation at break after aging	168hrs,250°C	≥200MPa
Heat shock	4hrs,300°C	No cracking or dripping
Dielectric strength	ASTM D2671	≥9kV/mm
Volume resistivity	ASTM D876	≥10 <sup>11</sup> Ω .cm

### Property comparison with heat shrinkable silicone rubber tubing

Items	CB-KFM Fluoroelastomer shrinkable tubing	Silicone rubber shrinkable tubing
Operating temperature range	-55°C~+200°C	-60°C~+200°C
Mechanics	Good	Poor
Acid and alkali resistance	Good	Poor
Oil resistance	Excellent	Normal
Flammability	Good self-flammability	Flammable, and bad self-flammability
Abrasion resistance	Normal	Poor
Sealing	Good	Poor
Insulation	Normal	Good
Water proof	Good	Normal

## CHANGYUAN ELECTRONICS

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### Size

Size (inch)	Inside diameter(mm)		Recovered wall (mm)	Standard length (m/spool)
	Minimum expanded as supplied	Maximum recovered after heating		
1/8	3.20	1.60	0.76	50
3/16	4.80	2.40	0.89	50
1/4	6.40	3.20	0.89	50
3/8	9.50	4.70	1.02	50
1/2	12.7	6.40	1.22	30
5/8	15.9	7.90	1.40	30
3/4	19.0	9.50	1.45	30
7/8	22.2	11.1	1.53	30
1	25.4	12.7	1.78	30
1-1/4	31.8	15.9	1.91	30
1-1/2	38.1	19.1	2.41	15
2	51.8	25.4	2.79	15

### CYG-FKM (TW) Fluoroelastomer thin wall tubing

Size (inch)	Inside diameter(mm)		Recovered wall (mm)	Standard length (m/spool)
	Minimum expanded as supplied	Maximum recovered after heating		
1/8	3.20	1.60	0.76	50
3/16	4.80	2.40	0.89	50
1/4	6.40	3.20	0.89	50
3/8	9.50	4.70	0.89	50
1/2	12.7	6.40	0.89	30
3/4	19.1	9.50	1.07	30
1	25.4	12.7	1.25	30
1-1/2	38.1	19.1	1.40	15
2	50.8	25.4	1.65	15

Standard color: black.  
Other sizes are available upon special order.