

CYG-FKM High Temperature Fluoroelastomer Heat-shrinkable Tubing

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



Standard : SAE-AMS-DTL-23053/13

Technical Data:

Test Items	Test method	Typical Data
Min. Shrink Temperature		175°C
Operating Temperature range	IEC216	-55 °C to +200°C
Tensile Strength	ASTM D638	≥8 MPa
Elongation at Break	ASTM D638	≥250%
Longitudinal Change		≤10%
Elongation at Break after Aging	168hrs,250°C	≥200%
Heat Shock at 4hrs,300°C		No cracking or dripping
Dielectric Strength	ASTM D2671	≥9 KV/mm
Volume Resistance	ASTM D876	≥10 ¹¹ Ω.cm

Property Comparison with heat shrinkable silicone rubber tubing

Items	CB-FKM 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

Dimensions:

Size (inch)	Inside Diameter				Recovered Wall (mm)		Standard Length (m/spool)
	Min Expanded as Supplied (mm)		Max. Recovered after Heating (mm)				
	CYG-FKM(HW)		CYG-FKM(HW)		CYG-FKM(HW)		
1/8	3.2	3.2	1.6	1.6	0.76	0.76	50
3/16	4.8	4.8	2.4	2.4	0.89	0.89	50
1/4	6.4	6.4	3.2	3.2	0.89	0.89	50
3/8	9.5	9.5	4.7	4.7	1.02	0.89	50
1/2	12.7	12.7	6.4	6.4	1.22	0.89	30
5/8	15.9		7.9		1.40		30
3/4	19.0	19.1	9.5	9.5	1.45	1.07	30
7/8	22.2		11.1		1.53		30
1	25.4	25.4	12.7	12.7	1.78	1.25	30
1-1/4	31.8		15.9		1.91		30
1-1/2	38.1	38.1	1.40	19.1	2.41	1.40	
2	50.8	50.8	1.65	25.4	2.79	1.65	

Standard color: black, other sizes are available upon request.