

BH-175K

175°C, CLEAR, SEMI-RIGID HIGH TEMPERATURE CHEMICAL RESISTANT PVDF TUBING

Features/Applications

BH-175K is semi-rigid, excellent flame retardant heat-shrinkable Polyvinylidene fluoride (PVDF) tube for applications requiring high temperature performance, outstanding abrasion and cut through resistance or superior chemical and solvent resistant properties. It reliably protects wires, solder joints, terminals and connections and components from most industrial fuels, solvents and chemicals.



- Operating temperature: -55°C to +175°C
- Minimum shrink temperature: 175°C
- Approvals: UL, VW-1
- Meet: SAE-AMS-DTL-23053/18
- Standard color: Clear

Technical Data

Property	Test Method	Typical Data
Operating temperature	IEC 216	-55°C to +175°C
Tensile strength	ASTM D 2671	≥34.5 MPa
Elongation at break	ASTM D 2671	≥150%
Elongation at break after aging	250°C, 168 hrs.	≥100%
Heat shock	300°C, 1 hr	No cracking
Cold bend	-55°C, 1 hr.	No cracking
Flammability	VW-1	Pass
Volume resistance	IEC93	≥10 ¹³ Ω .cm
Dielectric strength	ASTM D 2671	≥30KV/mm

Product Dimensions(mm/inch)

Normal size		As supplied (mm)	After recovered (mm)		Standard length (m/spool)
Inch	mm	Inside diameter (Min.)	Inside diameter (Max.)	Wall thickness (Nom.)	
3/64	1.2	1.2	0.6	0.25±0.05	200
1/16	1.6	1.6	0.8	0.25±0.05	200
3/32	2.4	2.4	1.2	0.25±0.05	200
1/8	3.2	3.2	1.6	0.25±0.05	200
3/16	4.8	4.8	2.4	0.25±0.05	100
1/4	6.4	6.4	3.2	0.30±0.08	100
3/8	9.5	9.5	4.8	0.30±0.08	100
1/2	12.7	12.7	6.4	0.30±0.08	100
3/4	19.1	19.1	9.5	0.43±0.08	50
1	25.4	25.4	12.70	0.48±0.08	50
1-1/4	31.8	31.8	15.9	0.51±0.08	50
1-1/2	38.1	38.1	19.1	0.51±0.08	50