

BH-2R

SEMI-RIGID , MULTI-PURPOSE FLAME RETARDANT POLYLEFIN TUBING SHRINK RATIO 2:1

Features/Applications

BH-2R tubing is manufactured with specially developed formulation and technology, which makes the tubing to excellent abrasion resistant. The outstanding physical, chemical and electrical properties make it widely used in some important fields such as military, aerospace and fine electronic instruments for insulating of harness, and connector.

- Flame retardant
- Resistant to common fluids and solvents
- Meet: UL 224, VW-1, 125°C 600V
SAE-AMS-DTL-23053/5 CLASS 1 & 3
- Meet: Sony-SS-00259, RoHS
- Minimum fully recovery temperature: 130°C
- Operating temperature: -55°C to +135°C
- Standard color: Black, Clear (Non flame retardant)



Technical Data

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	16MPa
Elongation at break	ASTM D 2671	500%
Tensile strength after aging at 175°C for 168 hrs	ASTM D 2671	14MPa
Elongation after aging at 175°C for 168 hrs.	ASTM D 2671	250%
Flammability	Self-extinguish in 30 sec.	Pass
Heat shock (250°C / 4 hrs.)	ASTM D 2671	No cracking
Cold bend test (-55°C / 4 hrs.)	ASTM D 2671	No cracking
Dielectric strength	ASTM D 150	20KV/mm
Volume resistance	ASTM D 876	1014 .cm
Copper Corrosion	UL 224	Pass
Water absorption	ASTM D 570	0.15%
Chemical resistance	SAE-AMS-DTL-23053/5	Pass
Longitudinal shrinkage	UL 224	5%
Eccentricity	UL 224	30%

Product Dimensions(mm)

Normal size (mm)	As supplied (mm)		After recovered (mm)		Standard length (m/spool)
	Inside diameter (Min.)	Inside diameter (Max.)	Inside diameter (Max.)	Wall thickness	
3/64	1.2	0.6	0.6	0.40±0.08	200
1/16	1.6	0.8	0.8	0.43±0.08	200
3/32	2.4	1.2	1.2	0.51±0.08	200
1/8	3.2	1.6	1.6	0.51±0.08	200
3/16	4.8	2.4	2.4	0.51±0.08	100
1/4	6.4	3.2	3.2	0.64±0.08	100
3/8	9.5	4.8	4.8	0.64±0.08	100
1/2	12.7	6.4	6.4	0.64±0.08	50
5/8	16.0	8.0	8.0	0.76±0.08	50
3/4	19.1	9.5	9.5	0.76±0.08	50
1	25.4	12.7	12.7	0.89±0.12	50

Special size, cut pieces are available on request