



SBRS-(3X, 4X) GF

Dual Wall Adhesive Lined Cross-linked Polyolefin tubing

Adhesive lined heat shrink tubing ideal for applications where both exceptional flame retardancy and environmental sealing capabilities are required



Features

- 3:1&4:1 shrink ratio
- Highly flame retardant
- Superior sealing against water, moisture or other contaminants
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Superior sealing against water, moisture and other contaminants
- Continuous operating temperature:-55°C-135°C
- Shrink Temperature:125°C
- Meets MIL-DTL-23053/4

Dimensions

SBRS-(3X)GF

Size		Expanded	After Recovery			Standard Package
Inch	mm	Internal Diameter mm	Internal Diameter mm	Total Wall Thickness mm	Adhesive Thickness mm	Spool Length M/spool
1/8	3.2	3.2	1.0	0.95 ± 0.15	0.40 ± 0.10	200
3/16	4.8	4.8	1.6	1.10 ± 0.15	0.40 ± 0.10	100
1/4	5.4	5.4	2.2	1.20 ± 0.15	0.45 ± 0.10	100
5/16	7.9	7.9	2.7	1.35 ± 0.15	0.50 ± 0.10	100
3/8	9.5	9.5	3.2	1.45 ± 0.20	0.50 ± 0.10	50
1/2	12.7	12.7	4.2	1.70 ± 0.20	0.50 ± 0.15	1.22 OR 25M/Roll
5/8	15	15	5.2	1.80 ± 0.20	0.55 ± 0.15	1.22 OR 25M/Roll
3/4	19.1	19.1	6.3	2.00 ± 0.20	0.55 ± 0.20	1.22 OR 25M/Roll
1	25.4	25.4	8.5	2.10 ± 0.25	0.55 ± 0.20	1.22 OR 25M/Roll
1-1/4	30	30	10.2	2.20 ± 0.25	0.60 ± 0.20	1.22 OR 25M/Roll
1-1/2	39	39	13.5	2.40 ± 0.25	0.60 ± 0.20	1.22 OR 25M/Roll
2	50	50	17.0	2.70 ± 0.25	0.80 ± 0.20	1.22 OR 25M/Roll

SBRS-(4X)GF

Size		Expanded	After Recovery			Standard Package
Inch	mm	Internal Diameter mm	Internal Diameter mm	Total Wall Thickness mm	Adhesive Thickness mm	Spool Length M/spool
5/32	4.0	4,0	1.0	1.00 ± 0.15	0.40 ± 0.15	200
1/4	6.0	6,0	1.5	1.10 ± 0.15	0.40 ± 0.15	100
5/16	8.0	8,0	2.0	1.50 ± 0.15	0.50 ± 0.15	50
1/2	12.0	12,0	3.0	1.70 ± 0.15	0.50 ± 0.15	1.22 OR 25M/Roll
5/8	16.0	16,0	4.0	2.00 ± 0.15	0.60 ± 0.15	1.22 OR 25M/Roll
25/32	20.0	20,0	5.0	2.30 ± 0.25	0.60 ± 0.15	1.22 OR 25M/Roll
1	24.0	24,0	6.0	2.60 ± 0.25	0.60 ± 0.15	1.22 OR 25M/Roll
1-1/4	32.0	32,0	8.0	3.00 ± 0.30	0.70 ± 0.15	1.22 OR 25M/Roll
1-1/2	40.0	40,0	10.0	3.00 ± 0.30	0.70 ± 0.15	1.22 OR 25M/Roll
2	52.0	52,0	13.0	3.30 ± 0.30	0.70 ± 0.15	1.22 OR 25M/Roll

Technical Data

Property	Test Method	Standard	Typical Performance
Tensile Strength(MPa)	ASTM D2671	≥12	12.5
Elongation(%)	ASTM D2671	≥300	450
Tensile Strength after aging (MPa)	MIL-DTL-23053/4	≥8.4	8.5
Elongation after aging(%)	MIL-DTL-23053/4	≥100	350
Dielectric strength(kv/mm)	IEC243	≥15	17.5
Volume resistivity(Ω .cm)	ASTM D876	≥1X10 ¹⁴	2.5X10 ¹⁴

Adhesive

Property	Test Method	Standard
Water Absorption	ASTM D570	≤0.2%
Softening Point(°C)	ASTM E28	90 ± 5
Strength of peering(PE)	ASTM D 1000	120N/25mm
Strength of peering(AL)	ASTM D 1000	80N/25mm