

Product Highlights

- High Level Flame Protection during exposure to +1000°C for 10 minutes
- Dielectric protection >4.5kV DC Post Flame Exposure of +1000°C for 10 minutes
- Self-amalgamating
- Compatible with FyreJacket® product line
- Easy to Install
- Zero halogen
- Shelf Life: two years after date of manufacture

Typical Applications

- Accessory to FyreJacket® to seal ends of sleeve installed on
 - Flexible Busbars
 - Rigid Busbars
 - High voltage cables
- Connect multiple pieces of FyreJacket®



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)



Systems Protection offers Silicone Tape 69N / 97R, black (RAL 9005 reference) tapes with a fiberglass base coated with a self-amalgamating silicone elastomer.

After several hours at ambient temperature, the surface of this tape sticks together when light pressure is added.

This tape is used for sealing, connecting and finishing the cut ends of sleeves in critical applications within battery packs.

Silicone Tape 69N / 97R is compatible with FyreJacket® products to provide thermal runaway protection to critical Electrical Systems within battery pack.



Silicone Tape 69N combined with FyreJacket® 1660.

Performance Data – Silicone Tape 69N / 97R

Property	Test Method	Result
Thermal Runaway	SP Internal Test Method	Resists 10min x 1000°C flame
Elongation at break		15%
Flammability	UL 94	V0 Rating
Dielectric Strength POST Thermal Runaway	SP Internal Test Method	> 4.5kV DC
Fluids Resistance	SAE J2192	Pass
Working Temperature		-60°C to +260°C (-76°F to +500°F)

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Product Specifications

Commercial Part Number	Thickness mm (in)	Width mm (in)	Color	Includes Glass Tape Substrate	Standard Packaging m (ft)	Rolls per Box
Silicone Tape 69N	0.5 (0.020")	19 (0.75")	Black	Yes	15 (50')	15
Silicone Tape 97R	0.8 (0.030")	76 (3.00")	Black	Yes	15 (50')	15

Recommendation Time for Amalgamate

Temperature (°C)	250	200	150	127	120	Room Temperature
Time in Minutes	15	20	35	80	120	23°C for 24 hrs

Once fused, tape cannot be removed without tearing.

Availability

Product may be available in customized geometries other than depicted above.

Please contact your sales representative for availability.

Storage

Tapes should be stored in original boxes, in a cool, dark location, not in close proximity to steam pipes, radiators or other sources of heat, at a temperature no greater than 37°C (98°F).



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