

SFR 369 TAPE Self-fusing silicone tape

Typical Properties	Test Method	Performance
Operating Temperature Ranges Continuous: Intermittent:	-45°C to 200°C (-50°F to 400°F)	
Specific Gravity	ASTM D792	1.2 .03
Hardness, Durometer, Shore A	ASTM D2240	55 ± 5
Tensile Strength	ASTM D412	700 psi min
Elongation	ASTM D412	300% min.
Tear Strength	ASTM D624, Die B	60ppi min.
Bond Strength	MIL-I-46852	2 lbs. min.
Adhesion, unwind	ASTM D2148	3in. Min.
Cold Brittle Point	ASTM D2137	-54°C (-65°F)
Water Absorption, by weight	Fed. Std. 601, Meth. 6251	5% max.
Dielectric Strength	ASTM D149	400Vpm min.
Dielectric Constant, 1kHz	ASTM D150	2.95
Dissipation Factor, 1kHz	ASTM D150	<0.0004
Volume Resistivity	ASTM D257	1 x 10 ¹³ OHMS/cm min.

Relation and Compliance to Industry Standards

- **A-A-59163:** Which supersedes MIL-I-46852C
- **CPSIA:** Consumer Product Safety Improvement Act
- **PROP 65:** The Safe Drinking Water and Toxic Enforcement Act 1996
- **Class H Insulation** – National Electrical Manufacturers (NEMA)
- **RoSH:** Restriction of Hazardous Substances Directive 2022/95/EC
- **REACH:** (EU Regulation)
- **Flammability Testing:** Per CPSC's ASTM F963-08

General Performance Properties

Moisture Resistance	Excellent
UV Resistance	Excellent
Electrical Insulation	Excellent
Ozone Resistance	Excellent
Resilience	Excellent
Corrosion Prevention	Excellent
High Temperatures	Excellent
Solvent Resistance	Good
Flame Resistance	Good
Acid Resistance	Good-Fair
Abrasion Resistance	Good
Oil Resistance	Good-Fair
Tear Resistance	Good
Hydrocarbon Resistance	Good-Fair

S Riley Fabrications

Unit 12 Habergham Mill, Coal Clough Lane, Burnley, Lancashire, BB11 5BS United Kingdom

www.srileyfabrications.co.uk

Info@srileyfabrications.co.uk

+44 1282 423336

All information shown, including illustrations is believed to be reliable. Users, however independently evaluate the suitability of the product for their application. S Riley Fabrications makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. In no case will S Riley Fabrications be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. S Riley Fabrications specifications are subject to change without notice. In addition S Riley Fabrications reserves the right to make changes in materials and processing, without notification to the buyer, which do not affect compliance with any applicable specification.