



SOS SILICONE TAPE

PART NO.

49190 (RED) 49191 (BLACK) 49192 (WHITE)

DESCRIPTION

DynaGrip® SOS Silicone Tape is a self-adhering, insulating silicone tape that forms a permanent, waterproof, airtight seal. The flexible silicone based material stretches up to three times its original length around uneven shapes and leaves no residue when removed. Resists weathering, salt water and UV rays, withstanding -50°C to +260°C temperatures and insulating to 8000 volts per unstretched layer. DynaGrip® SOS Silicone Tape adheres to itself, not to the surface being repaired.

FEATURES

- Self-fusing, no adhesive.
- Withstands over 260°C (500°F) of heat.
- Remains flexible to -60°C (-85°F).
- Has an amazing 700 psi tensile strength.
- Insulates to 8,00 volts per unstretched layer.
- Stretches 300%.
- Made in USA.
- High tensile strength.
- High dielectric strength.
- Advanced bonding properties.
- Creates a permanent, water-tight, air-tight seal.
- Never gets sticky, no messy cleanup.
- Incredibly long shelf life.

TYPICAL APPLICATIONS

- Seal and repair plumbing.
- Vents, ducts and hoses.
- Sports grips.
- Tool handles.
- Cable wraps.
- Radiator hoses and more.....



GENERAL INFORMATION

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitable use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

The supplier warrants only that its products will meet its specifications. There is no use, nor any other express or implied warranty. The user's exclusive remedy and the supplier's sole liability is limited to refund of the purchase price or replacement of any product when to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind.

Suggestions of uses should not be taken as inducements to infringe any patents.

Electrical & Mechanical Specifications

Typical Properties	Test Method	Performance
Operating Temperature Ranges:		
Continuous:		-45°C to 200°C (-50°F to 400°F)
Intermittent:		-65°C to 260°C (-80°F to 500°F)
Specific Gravity	ASTM D792	1.2 ± .03
Hardness, Durometer, Shore A	ASTM D2240	
Room-cured – 24 Hours:		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	3 in. 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 supercedes MIL-I-46852C
- CPSIA: Consumer Product Safety Improvement Act
- PROP 65: The Safe Drinking Water and Toxic Enforcement Act of 1986
- Class H Insulator – National Electrical Manufacturers Association (NEMA)
- RoHS: Restriction of Hazardous Substances Directive 2002/95/EC
- REACH: Registration, Evaluation, Authorization and Restriction of Chemicals (EU Regulation)
- Flammability Testing: Per CPSC's ASTM F963-08

The Ultimate Insulating Wrap Product Line is UL Listed for use at not more than 600 V and at not more than 80°C (176°F).

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