

MSP

MIDSUN SPECIALTY PRODUCTS

CUSTOM SILICONE SOLUTIONS

PROTECTION AND MITIGATION PRODUCTS FOR INDUSTRY ASSETS



MIDSUNSP.COM



ISO 9001:2015
Certified
Quality Management



MADE IN USA



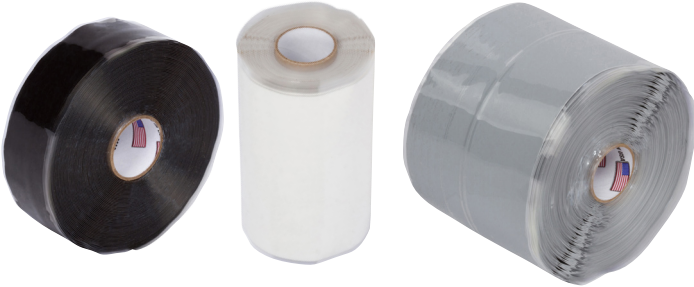
MSP[®]

MIDSUN SPECIALTY PRODUCTS

Midsun Specialty Products, Inc. (MSP) is an ISO 9001:2015 certified manufacturer and distributor of specialty silicone tapes and products. Since 1992, we have provided these products to protect and prolong assets in power utility, aerospace, telecommunications, MRO, and consumer industries worldwide.

? Why Silicone

Self-fusing silicone tape is the best choice when low profile, flexibility, longevity and ultimate resistances are needed for system protection.



UV Resistant

Generic vinyl and duct tapes do not hold up well against ultraviolet rays. Silicone is resistant to UV exposure and will not fade or breakdown in direct sunlight.

Weather, Salt & Corrosion Resistant

Silicone resists rain, salt, sleet, snow and other harsh weathering effects, protecting systems operation beneath the layer. Corrosion effects are significantly slowed and can even be monitored with ultra clear silicone tapes. Silicone can also be buried or used in underground applications.

Temperature Resistant

Silicone withstands from -65°F to 500°F (-54°C to 260°C), making it useful for extreme climates. Most vinyl, EPDM and duct tapes experience adhesive failure and melt or breakdown at 176°F (80°C).

Chemical Resistant

Silicone has good splash resistance to most chemicals including oil, kerosene, gasoline and other aromatic hydrocarbons.

Dielectric Strength

Our silicone is an excellent insulator with minimum performance of 400 volts per mil (0.001 in thick). Traditional vinyl electrical tape is only rated to 600 volts per layer. Our self-fusing silicone tapes are certified to meet **Underwriters Laboratories (UL) 510** requirements.

Flexible

Minimum 300% stretch. Can be wrapped around irregular shapes to create a lasting seal. Duct tape does not seal due to it's stiff composition.

Adhesive-Free

Self-fusing silicone tapes do not have any conventional glues or adhesives. The material is an open chain polymer that permanently fuses to itself upon contact, creating a singular layer. This is a significant advantage over vinyl adhesive layers that leave a gummy residue behind after removal. Silicone can be easily removed with a blade, leaving the substrate undisturbed.

Low Profile & Aesthetic

Finished wrap is a low profile alternative to zip ties, providing additional clearance for systems assembly.

Aging & Longevity

Due to it's numerous resiliences, silicone ages very slow and can be expected to outlast vinyl, duct and butyl tapes.

Gas Permeability

Oxygen and other gases can permeate through the tape, preventing buildup of harmful gases between layers and providing safer exit.



Self-fusing silicone tapes can be used in a variety of applications across industry.



Telecommunications

Used as an improved weatherproofing solution in cellular tower construction and rehab, replacing butyl rubber, on coaxial cable jumpers.



Maintenance (MRO)

Sealing of pit hole corroded slurry pipelines in underground facilities to prevent nearby equipment damage, hazard prevention and prolong life of asset.



Aerospace

Wire harnesses in aircraft require low profile and wide temp range, making silicone tape an excellent choice over zip ties in tight aircraft compartments.



Power Utility

Public energy utilities use silicone tape to protect bus and cable from animal contact as well as protecting against flashover in substations.

Common Uses

- Weatherproofing
- Bundling & Fastening
- Electrical Insulation
- Sector/Color Identification
- Animal Mitigation
- Masking & Encapsulation
- Leak Sealing
- Vibration Reduction
- Corrosion Protection
- Cable Management
- UV Blocking
- Grip Restoration
- Contamination Protection



APPLICATIONS



Self-Fusing Silicone Tape

Selecting a self-fusing silicone tape

Keep the following in mind when choosing your tape specification.

■ Thickness

Thicker tapes have higher dielectric insulation properties and may improve burst pressure.

■ Width

Slim widths (1 in and below) recommended for general use. Wide tapes (above 1 in) may be preferred for large coverage areas such as large diameter pipelines, insulators or transmission bus.

■ Profile (Cross-Section)

Rectangular (Type I) tapes are uniform across and should be considered for electrical insulation applications.

Triangular (Type II) tapes, measured at the apex, have a tapered edge and create a seamless finish with a half overlap. Consider using for leak sealing applications or where element intrusion is a concern.

Grip Ridge tapes are profiled with two raised ridges to improve handling in grip applications.

■ Guide Color (Guideline)

Ideal for easily repeating a half overlap during installation.

■ Series

ST Standard premium silicone compound.

FR Standard premium compound with a flame retardant additive that self-extinguishes when flame source is removed.

In Stock Items

We maintain a select inventory for quick turnaround.

MSP Part #	Thickness (in)	Width (in)	Length (ft)	Tape Color	Profile	Guide Color	Series	Case Qty
SCS2010036BK-T	0.020	1.00	36	Black	Triangular	-	ST	24
SCS2010036BK-R	0.020	1.00	36	Black	Rectangular	-	ST	24
SCS2010036OR-TB	0.020	1.00	36	Org/Red	Triangular	Blue	ST	24
SCS2010036OR-R	0.020	1.00	36	Org/Red	Rectangular	-	ST	24
SCS2010036GY-T	0.020	1.00	36	Gray	Triangular	-	ST	24
SCS2010036CL-R	0.020	1.00	36	Clear	Rectangular	-	ST	24
SCS3010036BK-T	0.030	1.00	36	Black	Triangular	-	ST	16
SCS3010036BK-TW	0.030	1.00	36	Black	Triangular	White	ST	16
SCS3010036BK-R	0.030	1.00	36	Black	Rectangular	-	ST	16
SCS4010036BK-TG	0.040	1.00	36	Black	Triangular	Green	ST	8
TT-GRIP-BK	0.067	1.12	10	Black	Grip Ridge	-	ST	22
TT-GRIP-RE	0.067	1.12	10	Red	Grip Ridge	-	ST	22
TT-GRIP-BE	0.067	1.12	10	Blue	Grip Ridge	-	ST	22
TT-GRIP-SO	0.067	1.12	10	Orange	Grip Ridge	-	ST	22
TT-GRIP-LG	0.067	1.12	10	Lime Green	Grip Ridge	-	ST	22

US Mil Spec A-A-59163A (superseding MIL-I-46852C)

We manufacture tapes to meet criteria for US Military specifications. Some items may be available in stock.



MSP Part #	Thickness (in)	Width (in)	Length (ft)	Tape Color	Profile	Guide Color	National Stock Number (NSN) / CID Reference
4010036BK-TG	0.040	1.00	36	Black	Triangular	Green	NSN: 5970-00-955-9976 CID: AA59163-11I0040
2005081OR-R	0.020	0.50	81	Org/Red	Rectangular	-	NSN: 5970-01-250-8756 CID: AA59163-11I0020
2010036BK-TB	0.020	1.00	36	Black	Triangular	Blue	NSN: 5970-01-584-9477 CID: AA59163-11I0020
2010036OR-TB	0.020	1.00	36	Org/Red	Triangular	Blue	NSN: 5970-00-480-1329 CID: AA59163-11I0020
3010036OR-TW	0.030	1.00	36	Org/Red	Triangular	White	NSN: 5970-01-396-1601 CID: AA59163-11I0030
4010036OR-TG	0.040	1.00	36	Org/Red	Triangular	Green	NSN: 5970-00-949-4846 CID: AA59163-11I0040
6015036BK-TB	0.060	1.50	36	Black	Triangular	Blue	NSN: 5970-00-177-1627 CID: AA59163-11I0060

- Table above is a partial list of common items typically used for aerospace applications. Reference US Military Specification A-A-59163A for more configurations.
- Military specification does not specify Tape Color. Flame retardant can be added to select colors. Table above lists popular colors often ordered to specification. Tape Color may be substituted.

Customization Available

We have the manufacturing capability to customize self-fusing silicone tapes to fit your exact specifications. Custom order minimums and lead times may apply.

■ Profile

Rectangular, Triangular, Grip, Sectional, Custom

■ Thickness

0.010 in (10 mil) ↔ 0.080 in (80 mil)

■ Width

0.25 in ↔ 4 in

■ Length

3 ft ↔ 200 ft*

■ Tape Colors

Black, Clear, Cherry Red, White, Gray, Blue, Orange Red, Yellow, Safety Orange

■ Guideline Colors

Blue, White, Green, Red

■ Other Customizations

Limitations may apply for certain profiles, including grip, sectional, and putty. Contact your sales rep for more information.

*Maximum feet per roll may vary by thickness

Specialty Products

Silicone Grip Wrap **Improved Design**

Silicone tape modified with ridges for grip replacement or addition to any handle.

25%
More Surface Area
for Enhanced Bonding

2x
Longer Roll to Wrap
Even More Handles



- **Help Stop Blisters**

Comfortable non-slip ribbed grip that helps prevent blisters and stays tacky even during the most intense activities.

- **Weatherproof Silicone**

Repels liquids and salt from sweat or chemicals, drying quickly after exposure. Leaves absolutely no sticky residue on handle if ever removed. Insulates against cold and heat. Dishwasher safe.

- **Use on Any Diameter Handle**

Easily add, renew or re-grip by wrapping your tool handles, fitness and sports equipment. Works on rackets, bats, sticks, paddles, ropes, exercise equipment, hand tools, garden tools and equipment, shop equipment, machine levers, and more.



Fitness

Use on dumbbells, pull up bars, exercise equipment, and more.



Tools & Hardware

Use on hammers, mallets, saws, wrenches, hatchets, chains, ropes, and more.



Sporting Goods

Use on baseball bats, tennis rackets, fishing rods, lacrosse sticks, and more.



Garden & Outdoor

Use on wheelbarrows, garden tools, rakes, lawnmowers, and more.



Mobility

Use on grab bars, railings, canes, walkers, transfer poles, crutches, and more.

APPLICATIONS

Moldable Silicone Putty

Non-hardening multi-purpose silicone putty for filling cracks, gaps and voids on most surfaces.



- **Compatible with Any Self-Fusing Silicone Tape**

Putty can be used in conjunction with silicone tapes to plug voids, reinforcing the sealed repair.

- **Works on Any Surface**

Silicone putty molds effortlessly into small pinholes, pit holes, and cracks that require sealing. Works on PVC, metal, glass, and more. Little to no surface preparation required.

- **Divert Liquids Effectively**

Build up putty on uneven surfaces to guide liquid away and prevent pooling.

- **Protect Against the Elements**

Helps block pressurized steam, liquid, and air from compromising silicone tape repairs.



Electrical

Seals and insulates cable entry points to prevent moisture ingress.



Maintenance & Repair

Fills voids in wall penetrations to block water and debris.



Consumer DIY

Creates a watertight seal around fixtures during installation or repair.



Power Utility

Seal openings around equipment to keep wildlife from nesting.

Common Uses

- Weatherproofing
- Water Diversion
- Electrical Insulation
- Pest Blocking
- Wildlife Mitigation
- Masking & Encapsulation
- Leak Sealing

APPLICATIONS

Specialty Products



Silicone insulation and sealing for extreme environments products designed for extreme conditions.



Self-Fusing Silicone Tapes In Stock

High-performance silicone rubber tapes for sealing and insulation.

MSP Part #	Product Name	Description	Thickness (in)	Width (in)	Length (ft)	Color	Profile	Guide Color	Series	Case Qty
E112-010	112 Silicone Electrical Tape	Insulate wire terminations and splices, protect from UV and moisture, secure wire harnesses.	0.012	1.00	30	Gray	Rectangular	Red	FR	12
E140-010	140 Silicone Sealing Tape	Seal damaged small-diameter pipelines under 2 inches carrying gas, steam, waste, or liquids.	0.040	1.00	36	Gray	Triangular	Red	FR	6
E220-010	220 Wide Silicone Electrical Tape	Insulate heavy gauge wire, high voltage equipment, and cable i.e. bus bar or insulators.	0.020	2.00	36	Gray	Rectangular	Red	FR	6
E330-010	330 Wide Silicone Sealing Tape	Seal damaged pipelines 2 inches and larger carrying gas, steam, waste, or liquids.	0.030	3.00	36	Gray	Triangular	Red	FR	6
E530-010	530 Silicone Coax Tape	Weatherproof coaxial connectors, jumpers, and RF tower equipment with lasting UV protection.	0.030	1.50	15	Black	Triangular	None	FR	12

Non-Hardening Silicone Putty In Stock

Non-curing silicone putty to fill voids, seal gaps, and divert liquids.



MSP Part #	Product Name	Description	Thickness (in)	Width (in)	Length (ft)	Color	Profile	Case Qty
E900-010	900 Moldable Silicone Putty	Matches mid-tone surfaces. Rectangular shape for various uses.	0.250	1.00	1.5	Gray	Rectangular	18
E900-011	900 Moldable Silicone Putty	Matches light surfaces. Rectangular shape for various uses.	0.250	1.00	1.5	White	Rectangular	18
E900-012	900 Moldable Silicone Putty	Matches dark surfaces. Rectangular shape for various uses.	0.250	1.00	1.5	Black	Rectangular	18
E900-013	900 Moldable Silicone Putty	Matches red or orange surfaces such as brick. Rectangular shape for various uses.	0.250	1.00	1.5	Red	Rectangular	18
E900-502	900 Moldable Silicone Putty	Commercial and industrial use. Matches dark surfaces. Rectangular shape for various uses.	0.250	2.00	3	Black	Rectangular	-
E900-310	900 Moldable Silicone Putty	Matches mid-tone surfaces. Three triangular shape pieces for corners.	0.375	1.125	1.5	Gray	Triangular	18
E900-311	900 Moldable Silicone Putty	Matches light surfaces. Three triangular shape pieces for corners.	0.375	1.125	1.5	White	Triangular	18
E900-410	900 Moldable Silicone Putty	Matches mid-tone surfaces. Three cord shape pieces for faster application in long voids.	0.313	1.00	1.5	Gray	Circular	18
E900-411	900 Moldable Silicone Putty	Matches light surfaces. Three cord shape pieces for smoother application on small voids.	0.313	1.00	1.5	White	Circular	18
E900-200	900 Moldable Silicone Putty Flex	Flexible for easy handling. Matches mid-tone surfaces. Rectangular shape for various uses. Not recommended for vertical surfaces.	0.250	1.00	1.5	Gray	Rectangular	18

Thank you for buying American.



The employees of Midsun Specialty Products, a leading provider of commercial and retail silicone products, would like to thank you for your support of this great nation's skilled work force. By considering us for your supply opportunities, you are supporting American families, businessmen, employees and the American economy.

We recognize that you have many choices, but know that we strive to provide the best customer service, quality and presentation in every unit we deliver. You should expect nothing less and we look forward to serving you by protecting your critical business assets.

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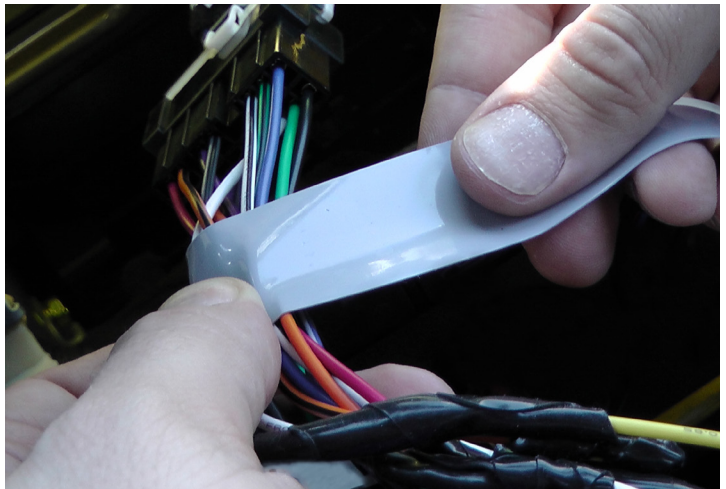
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