



INDUCTION HEATING EQUIPMENT & ACCESSORIES

- info@thermaltechttemp.com
- www.thermaltechttemp.com
- 1.800.674.9284



**Thermal
Tech &
Temp**

ABOUT US

THE TTT STORY

Thermal Tech & Temp Inc. has contributed to the heating industry for 20 years. We specialize in custom Induction Heating Equipment such as PWHT Blankets, Ovens, Furnaces, etc. We also custom fabricate induction accessories such as clamps, clam shells, and internal plugs. We take pride in the work we do by going to job sites and overseeing operations, just to make sure we are fitting the customer's needs.

Our determination doesn't end there. Thermal Tech & Temp Inc. is committed to achieving total customer satisfaction by delivering high quality, durable, and custom fabricated products.

You can find Thermal Tech & Temp Inc. on all of your social media platforms such as Facebook, Twitter, and Instagram. Feel free to give us a follow and stay up to date with our latest products and news! Our office is located in Crown Point, Indiana and can be reached at the locations listed below!

CONTACT US

Stay in touch with us on our various social medias, shoot us an email, or give us a call!

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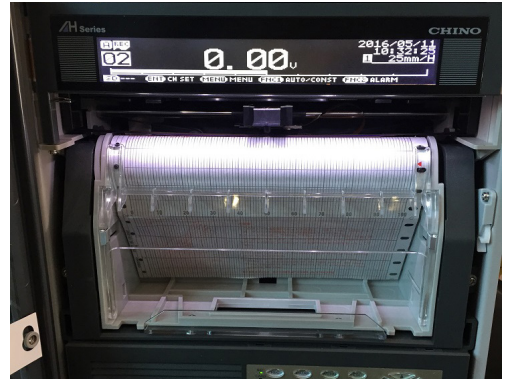
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OUR PRODUCTS



INDUCTION OVENS



TEMP. RECORDING



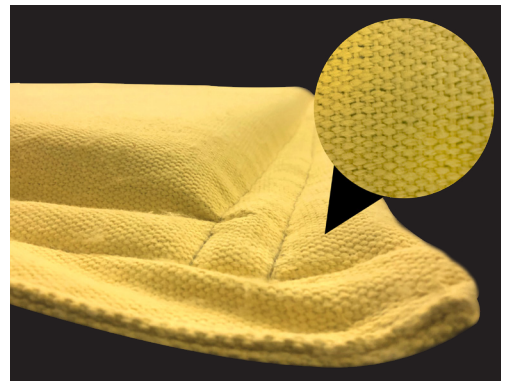
CLAMPS/CLAMSHELLS



INDUCTION BLANKETS



NEEDLE MAT INSULATION



KNEELING PADS



SLOW COOL COVERS



INSULATING SLEEVES

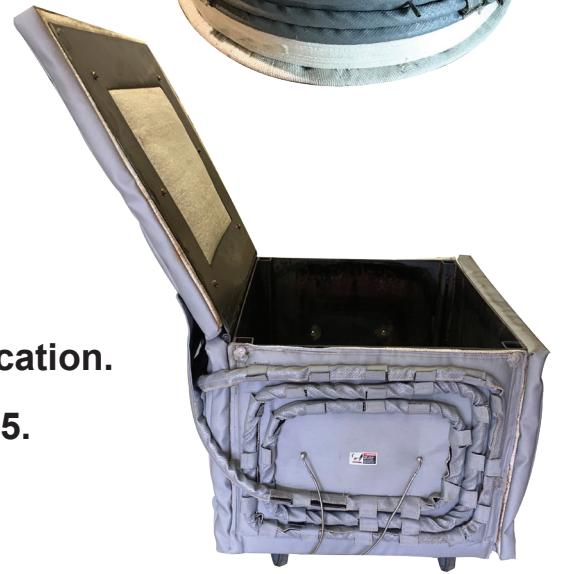
OUR PRODUCTS

INDUCTION OVENS

OVENS/FURNACES

KEY FEATURES:

- Quick heat up times.
- Portable units that can be moved easily.
- Convenient preheat and stress release.
- Space saver.
- Controlled cool down times.
- No fumes/venting.
- No open flames.
- Cost effective.
- Increased staff safety.
- Custom made for your application.
- Powered by Miller ProHeat 35.



TEMPERATURE RECORDING

TEMPERATURE RECORDING

WE OFFER:

- Spring loaded thermocouples that are fixed to the induction blanket to provide precise temperatures while heating.
- 24 point type k thermocouple recorders.
- Male and female TC plugs.
- Premade thermocouples type K.
- Thermocouple extension leads that plug right into the Proheat 35.
- 12 point recorders that connect to the Proheat 35.

MILLER PROHEAT 35



1 MALE & FEMALE TC PLUGS



2 SPRING LOADED THERMOCOUPLES



3 THERMOCOUPLE EXTENSION LEAD

INDUCTION CLAMPS/GLAM SHELLS

INDUCTION CLAMPS

KEY FEATURES:

- Faster setup time.
- Takes only a third of the time to temperature than gas flame.
- Fully controllable and uniform heating.
- Can be digitally recorded if required.
- Fast return on your investment.
- No hydrogen created.
- Low running costs.



INDUCTION CLAM SHELLS



KEY FEATURES:

- Uses Miller ProHeat 35.
- Preheat up to 1200 degrees fahrenheit.
- Custom made to fit your specific application.



INDUCTION BLANKETS

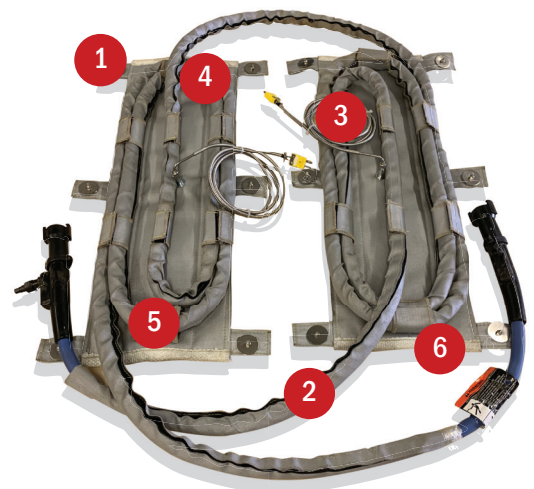
INDUCTION BLANKETS

KEY FEATURES:

- Custom made to fit your application.
- Able to be reconfigured without the use of a peg board. This increases safety because peg board is a recipe for disaster when adding wood products to a design.
- Made with durable/high temperature materials.
- Improved welding environment.
- No exposure to open flame or explosive gasses.
- Easy setup with flexibility to fit various pipe diameters and plate lengths.
- TTT has designed blankets with high strength and high temp magnets.



- 1 MAGNET
- 2 INDUCTION COIL
- 3 THERMAL COUPLE
- 4 BAYONET
- 5 VELCRO TABS
- 6 32OZ SILICONE COATED FABRIC



INSULATION PADS & COVERS

INSULATION PADS

KEY FEATURES:

- High temperature materials.
- Resistant to most chemicals.
- Protection up to 1800°F.
- Melting temperature of 3,100°F.
- Our Silica needled mat is reusable and if properly taken care of.
- Our Silica needled mat is comprised of an assortment of long staple fibers randomly.

SLOW COOL COVERS



KEY FEATURES:

- Lightweight/portable.
- Durable interior liner.
- Low cost.
- Reusable.
- Temperature displayed.

PROTECTIVE SLEEVES

PROTECTIVE SLEEVES

KEY FEATURES:

- Braided with high-quality fiberglass yarns.
- Fiberglass sleeve will not burn and is suitable for use in applications with temperatures up to 1000°F (540°C).
- Braided fiberglass sleeves provide flexibility, durability, and thermal containment.
- Can be heat treated or coated with vermiculite, PTFE, graphite, or acrylic saturant.
- Resistant to hydraulic fluids, lubricating oils, and fuels.
- Fire sleeve insulates against energy loss in piping and hosing.
- Protects employees from burns and provides flame resistant “bundling” of wires, hoses, and cables .
- Both Aerospace and Industrial sleeves are coated with the same proprietary silicone rubber compound for increased durability and enhanced heat & flame protection.



POST HEAT BLANKETS

TTT-INDB-2.5"	194947	Insulation Blanket, single wrap 12" x 15"
TTT-INDB-4"	194948	Insulation Blanket, single wrap 12" x 21"
TTT-INDB-5"	195477	Insulation Blanket, single wrap 12" x 26"
TTT-INDB-6"	194949	Insulation Blanket, single wrap 12" x 30"
TTT-INDB-7"	195476	Insulation Blanket, single wrap 18" x 34"
TTT-INDB-8"	194950	Insulation Blanket, single wrap 18" x 38"
TTT-INDB-10"	194951	Insulation Blanket, single wrap 18" x 43"
TTT-INDB-12"	194952	Insulation Blanket, single wrap 18" x 49"
TTT-INDB-14"	194593	Insulation Blanket, single wrap 18" x 54"
TTT-INDB-16"	194954	Insulation Blanket, single wrap 18" x 58"
TTT-INDB-18"	194955	Insulation Blanket, single wrap 24" x 67"
TTT-INDB-20"	194956	Insulation Blanket, single wrap 24" x 73"
TTT-INDB-21"	300449	Insulation Blanket, single wrap 24" x 76"
TTT-INDB-22"	194957	Insulation Blanket, single wrap 24" x 79"
TTT-INDB-24"	194958	Insulation Blanket, single wrap 24" x 85"
TTT-INDB-26"	195502	Insulation Blanket, single wrap 24" x 91"
TTT-INDB-28"	194998	Insulation Blanket, single wrap 24" x 98"
TTT-INDB-30"	207817	Insulation Blanket, single wrap 24" x 105"
TTT-INDB-32"	222228	Insulation Blanket, single wrap 24" x 112"
TTT-INDB-36"	300155	Insulation Blanket, single wrap 24" x 126"
TTT-INDB-40"	300156	Insulation Blanket, single wrap 24" x 140"

PRE HEAT BLANKETS

TTT-INPH-120"	204669	Insulation, Preheat, Woven Silica (1/2"x6"x120")
TTT-INPH-240"	195376	Insulation, Preheat, Woven Silica (1/2"x6"x240")
TTT-INPH-120"	211474	Insulation, Preheat, Woven Silica (1/2"x12"x120")
TTT-INPH-50"	194965	Rope, High Temperature 1" wide, 50 ft roll

INDUCTION COIL SLEEVES

TTT-INCS-30'	204611	Heating Cable Preheat Cover, 30'
TTT-INCS-50'	204614	Heating Cable Preheat Cover, 50'
TTT-INCS-80'	204620	Heating Cable Preheat Cover, 80'

INSULATION

TTT-TM12	24" x 50 ft x 1/2 Thick
TTT-TM25	24" x 25 ft x 1" Thick
TTT-SM12	24" x 50 ft x 1/2" Thick
TTT-SM25	24" x 25 ft x 1" Thick
TSM Thermasil Needledmat	1/8", 1/4", 1/2", 3/4", 1" Thick
TM Temp Mat	1/4", 1/2", 3/4", 1" Thick

KNEELING PADS

KNEELING PADS

KEY FEATURES:

- High temperature pads provide great protection from heat, sparks, and slag from welding.
- Can be placed in tight, hard to reach spaces to offer maximum comfortability while working.
- High temperature resistant kevlar.
- Protects up to 1200°F.
- Offered in a variety of thicknesses.
- Can be custom fabricated to any shape or size.



THERMASIL NEEDEDMAT

PRODUCT LINE FEATURES

- Non respirable fibers.
- No shot.
- No binder.
- High strength.
- Low thermal conductivity.
- Chemical resistant.
- Resistant to thermal shock.
- Erosion resistant.
- Excellent acoustical properties.
- Low residual shrinkage (lrs).



TYPICAL APPLICATIONS

- Glass furnace crown insulation repair.
- Nuclear insulation applications.
- Acoustic insulation.
- Insulating pads and blankets.
- High temperature/acid resistant gaskets.
- Exhaust manifold insulation.
- Stress relieving pads.
- High temperature pipe and valve insulation.
- Investment casting mold wrap.
- Fire protection.
- Muffler packing.
- Heat treating furnace linings.
- Petro-chemical process heater linings.
- Welding protections.
- Furnace, kiln, incinerator and boiler linings.
- Thermal and acoustic insulation for steam and gas turbines.
- Roller hearth furnace linings.
- Soaking pit and pre-heat furnace linings and seals.
- Expansion joint and packing material.

Our high heat highly durable staple fiber pads offer maximum protection with room for re-use.



THERMASIL NEEDEDMAT SPECS

TSM SPECIFICATIONS

STANDARD SIZES

Thickness:

1/8", 1/4", 1/2", 3/4", 1"

Roll Widths:

24", 36"



DENSITY

10.5-12.0 lbs/ft³

(168-192kg/cc)

CHEMICAL ANALYSIS

SILICA (SiO₂) - > 93.5% min

Alumina (Al₂O₃) - 4.0%

Others - < 1.0%

MAX. RECOMMENDED USE TEMPERATURE

FOR INTERMITTENT USE: 2200 F

FOR CONTINUOUS USE: 2000 F

MELTING POINT: 3100 F

FIBER PROPERTIES

FIBER DIAMETER: 6-13 MICRONS

FIBER LENGTHS AVAILABLE: 2" OR 4"

*SPECIAL LENGTHS AVAILABLE UPON REQUEST

THERMAL CONDUCTIVITY

AT 500 F	0.45	0.054
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AT 1000 F	0.78	0.094
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AT 1500 F	1.39	0.166
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AT 1800 F	1.93	0.231
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PERMANENT LINEAR CHANGE

24 HRS AT:	1000 F	0.05%
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	1200 F	0.06%
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	1400 F	0.06%
--	--------	-------

	1600 F	0.10%
--	--------	-------

	1800 F	0.30%
--	--------	-------

	2000 F	0.70%
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KVLF-2:

- Stronger in colder temperatures
- Worn by firefighters for heat resistance
- Used as body armour by police, security, & SWAT
- Used in gloves, sleeves, jackets, chapes, etc.
- Can protect from cuts, abrasions and heat

DID YOU KNOW?

Kevlar's applications are innumerable. It is used in everything from audio equipment to archery bow strings, cooking ware, and electricity generation.

BASIC APPLICATIONS:

- Sleeves
- Curtains & Covers
- Tadpole Seals
- Heat Shields

SPECIFICATIONS:

WEIGHT: 22 oz/sy +/- 10%

THICKNESS: .08 inches +/- .001

COUNT: 20 x 11

WEAVE: Aramid Fiber Blend on Fiberglass Core Yarn

COLOR: Yellow

TENSILE STRENGTH: Warp: 225 lbs./inch

Fill: 150 lbs./inch

TEMPERATURE RESISTANCE: 600° F



High Temp Tape

TTT-TAPE-1

- Non-adhesive
- Plain Weave
- 100% fiberglass yarns
- 1" width x 100' length
- Resists up to 1000°F
- Nominal thickness of 1.5mm



TTT-TAPE-2

- Silicone adhesive
- Barrier to hot wire contacts
- 2" width x 54' length
- Temp performance: -100° to 500°F
- Total thickness of 5mm
- Film thickness of 3mm

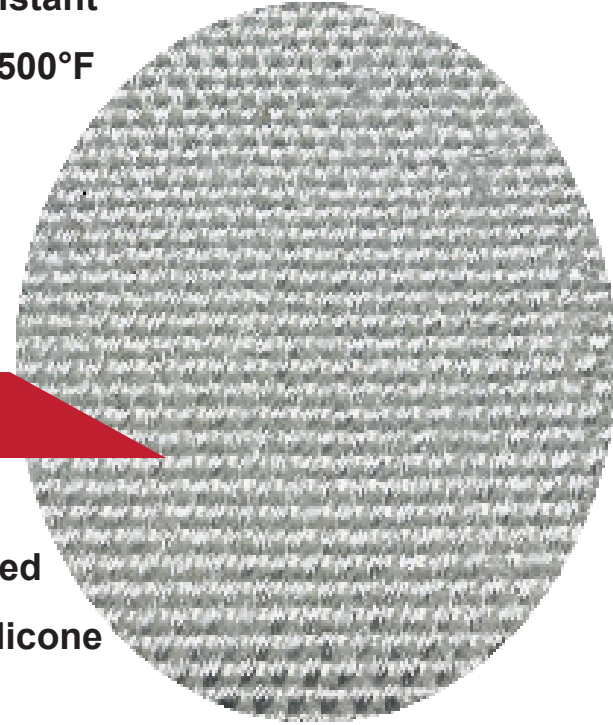


TTT-TSF-2 - PLAIN WEAVE

2.3mm Thick Silica:

USES:

- Flange & equipment covers
- Removeable insulation fabrics
- Water, chemical, and oil resistant
- High temp silicone coating 500°F
- Base temp 1,000°F
- Expansion joints
- Welding blankets



SPECIFICATIONS:

WEAVE: Plain Weave

COATING: Special, single-sided
high temp silver silicone
coating

FABRIC WEIGHT: 36 oz. /yd², +/- 10%

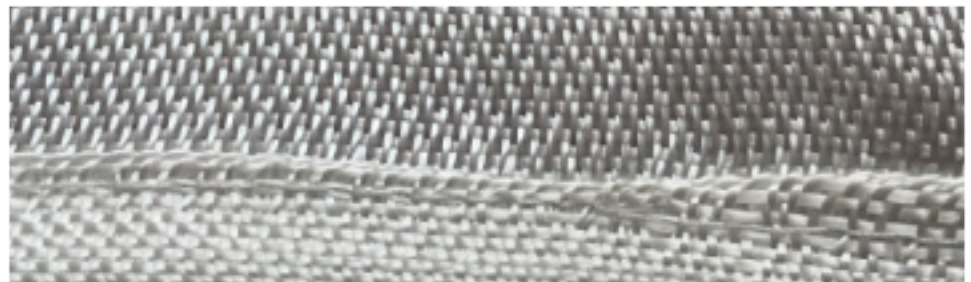
FABRIC WEIGHT (with coating): 45 oz. /yd², +/- 10%

THICKNESS: 0.05 inches +/- 10%

TEMPERATURE RESISTANCE:

Silicone Coating 500°F

Base Fabric 1,000°F



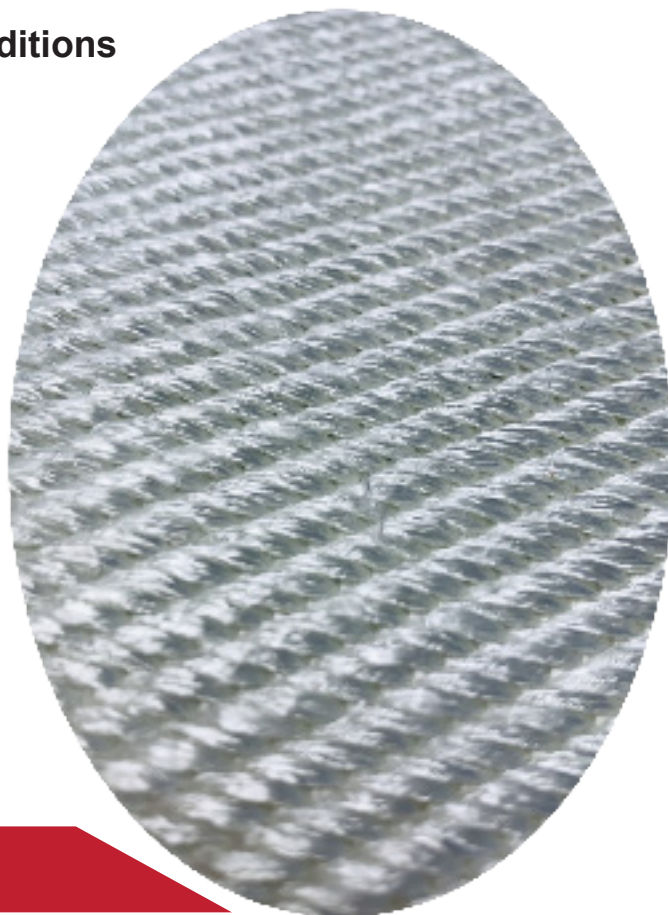
TT-TSF-4 - TWILL WEAVE

3.8mm Thick Silica

- Rugged terrain and conditions
- Abrasion-prone areas
- Expansion joints
- Pads and curtains
- Covers and sleeves

DID YOU KNOW?

This type of fabric is so reliable that it is has many applications in the aerospace industry.



SPECIFICATIONS:

<u>WEAVE:</u>	Twill Weave	
<u>COATING:</u>	None	
<u>WIDTH:</u>	≤ 22.5 inches	
<u>THICKNESS:</u>	3.2 inches	
<u>WEIGHT (oz / yd²):</u>	59.0 oz. / yd	
<u>TEMP RESISTANCE:</u>	2,000°F	
<u>MELTING TEMPERATURE:</u>	1,544°F	
<u>FILAMENT DIAMETER (microns):</u>	9 x 9	

	<u>WARP</u>	<u>WEFT</u>
<u>THREAD COUNT (inches):</u>	55.9 inches	25.4 inches
<u>YARN COUNT (tex):</u>	500	820
<u>TENSILE STRENGTH (lbs./in.):</u>	min. 787	820



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TTT | TEMP-MAT

DESCRIPTION

TTT TEMP MAT is manufactured to conform with the requirements of Military Specification MIL-1-16411 Type II, ASTM-C-1086-96 and Coast Guard Specification for Incombustible Materials #164.009 and MIL-I-24244. TEMP-MAT is a fiberglass mat composed of 100% "E" type glass fibers 9-13 microns in diameter which are put into web form and mechanically needled together without chemical binders.

ADVANTAGES

TTT TEMP-MAT is an effective low cost replacement for asbestos mats, millboard, ceramic or refractory fiber paper, mat and sheets and mineral fiber boards. It is used as a thermal insulation and gasket material in home and industrial furnaces, package boiler and for special piping applications where heat resistance, flexibility and low special air and liquid chemical and thermal resistance are mandatory.

TEMP-MAT PROPERTIES

Thickness	Weight		Density			Service Temp.
	English	Metric	English	Metric		
1/4" (0.635 cm)	3 oz./sq.ft	915.6 g/sq.m	9 lbs./cu.ft	144.2 kg/cu.m		Up to 1200F (649 C)
1/2" (1.27 cm)	6 oz./sq.ft	1831.2 g/sq.m	9 lbs./cu.ft	144.2 kg/cu.m		Up to 1200F (649 C)
3/4" (1.91 cm)	9 oz./sq.ft	2746.8 g/sq.m	9 lbs./cu.ft	144.2 kg/cu.m		Up to 1200F (649 C)
1" (2.54 cm)	15 oz./sq.ft	4578 g/sq.m	11 lbs./cu.ft	176.2 kg/cu.m		Up to 1200F (649 C)

***All four Temp-Mat styles have extremely good fire resistance and are incombustible, have negligible moisture absorption, but will experience up to 2% weight loss at continuous use a 1200 F (649 C).**

THERMAL CONDUCTIVITY

"K" Value for 1 Inch Thick

"K" BTU-Inch/Hour-sq.ft-F

TENSILE STRENGTH

1" Machine

1" Cross-machine

1/2" Machine

1/2" Cross Machine

125 lbs

90 lbs

80 lbs

60 lbs

ACOUSTICAL RATINGS

Frequency(HZ)

1/4"

1/2"

1"

250

500

1000

2000

4000

.04+-0.02

.12+-0.01

.29+-0.01

.51+-0.01

.85+-0.01

.07+-0.02

.24+-0.1

.55+-0.01

.79+-0.02

.91+-0.02

.15+-0.04

.80+-0.03

1.02+-0.02

1.08+-0.2

.92+-0.02

Noise Redcution

Coefficient

0.25

0.40

0.70

Flame Resistance

ASTM E-84

Flame Spread

0

Smoke Developed

0



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TTT-SIL | 3600

DESCRIPTION

TTT-SIL 3600 is a medium weight silica fabric, tan in color, with superior physical and thermal characteristics compared to traditional silica fabrics. ANSI/FM 4950 approved for welding curtains. This material can meet MIL C24576A Type 1.

APPLICATIONS

TTT-SIL 3600 is intended for use in any application where high heat resistance and thermal protection is required, such as furnace curtains, stress relieving blankets, welding blankets and other heat shielding applications.

ADVANTAGES

The unique properties of TTT-SIL 3600 make it an extremely cost-effective alternative to regular silica fabrics with superior physical properties, such as abrasion resistance and breaking strength, as a bonus. The vermiculite coating that is on TTT-Sil performs a dual task. Initially it reduces the ability of the fabric to fray making it more workable through the cutting and sewing processes. The even greater duty of the vermiculite coating is to dissipate the heat across the fabric rather than allow heat from molten slag to fester in a single point allowing greater protection from molten slag going through the fabric. These factors along with the higher melting point of the amorphous silica allow TTT-Sil to be the fabric of choice where high heat resistance is desired.

PROPERTY DATA | 3600

CHARACTERISTICS	METHOD	VALUES	
		ENGLISH	METRIC
WEIGHT	ASTM-D-3776	34.0 oz/sy ± 10%	1156 g/m ² ± 10%
THICKNESS	ASTM-D-1777	.0050" ± 10%	1.270 mm ± 10%
BREAKING STRENGTH	ASTM-D-579	Warp- 200 lbs/in Fill- 100 lbs/in	35.71 kg/cm 17.86 kg/cm
TEMPERATURE RESISTANCE		Continuous Use: 1800 F Melt Temperature: 3000 F Linear Shrinkage: 5% @ 1800 F	Cont.982 C, Melt 1649 C
BASE FABRIC AND WEAVE		Silica/8 Harness Satin	
Silicon dioxide Content		>96%	
COLOR		Light Tan/Vermiculite	
ABRASION RESISTANCE	MIL-C-24576A	20 Cycles min. Warp 100 Fill 100	
WIDTH - 35" (88.9 cm)		LENGTH - 50 yds (45.72 meters)	

DATA SHEET: 13093 FM REV: K DATE: 5/8/19 *All values are nominal unless otherwise specified. All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.



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TTT | 3400 SRC

DESCRIPTION

TTT 3400 SRC is a fiberglass fabric impregnated with a specially formulated silicone rubber designed to meet the rigid requirements for use in nuclear reactors. This product is designed specifically for high temperature (500 ° F) removable pads, flange and valve covers. This product can be manufactured to meet the requirements of NRC 1.36 as well as MIL-I-24244. This (Heavy Duty) silicone impregnated fiberglass fabric is used where more wear resistance is needed.

APPLICATIONS

Removable Insulation Pad Covering, Flange and Valve covers, Welding Curtains and Splash Shields, Safety Clothing, Equipment Covers, Flexible Connectors (Expansion Joints).

ADVANTAGES

Aluminum color, Water and Oil resistant, Acid and Alkali resistant, Flame retardant, Low Smoke, Easily sewn, Adhesive bonded or sealed. The special high temperature, flame retardant silicone rubber provides greater life and improved resistance to abrasion, flexing, tear and puncture.

PROPERTY DATA | TTT 3400 SRC

CHARACTERISTICS	METHOD	VALUES	
		ENGLISH	METRIC
WEIGHT	ASTM-D-3776	34.0 oz/sy ± 10%	1156 g/m ² ± 10%
THICKNESS	ASTM-D-1777	.037" ± 10%	0.940 mm ± 10%
BREAKING STRENGTH	ASTM-D-5034	Warp-	400 lbs/in min. 71.44 kg/cm
		Fill-	350 lbs/in min. 62.51 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp-	65 lbs min. 29.48 kg
		Fill-	55 lbs min. 24.95 kg
BURST STRENGTH	ASTM-D-3786	750 psi min.	52.5 kg/sq.cm
FLAME RESISTANCE	ASTM-D-6413	Char Length	1" max. 2.54 cm max
		Afterglow	1 sec. max 1 sec. max
		Flame Out	1 sec. max 1 sec. max
TEMPERATURE RESISTANCE		-67 F to +500 F	
BASE FABRIC AND WEAVE		Fiberglass/Satin Weave	
COLOR		Silver Silicone	
E-GLASS FABRIC		1200 F Melt Point	649 C Melt Point

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TTT | WELD 3500

DESCRIPTION

TTT Weld Style 3500 is an extremely heavy weight fiberglass made with highly texturized yarn creating a very "bulky" fabric. It is available in three different finishes - GR (Greige or Loomstate), WS (Weave Set Finish) or VCF (Vermiculite Coating for high temperature protection.)

APPLICATIONS

TTT Weld Style 3500 is intended for uses where a heavy weight, thick (insulative) fabric is required with high heat resistance. The WS finish facilitates fabrication by reducing ravelling and fraying of cut edges. The VCF (Vermiculite Coating) finish provides a combination of high heat resistance and weave stability for use in fabrication items, such as mitts, gloves, aprons, removable blankets, expansion joints and strip curtains. Available in 40" (101.6 cm) and 60" (152.4 cm) widths.

PROPERTY DATA | WELD 3500

CHARACTERISTICS	METHOD	VALUES		
		ENGLISH	METRIC	
WEIGHT	ASTM-D-3776	35 oz/sy ± 10%	1190 g/m ² ± 10%	
THICKNESS	ASTM-D-1777	.0080" ± 10%	1.524 mm ± 10%	
BREAKING STRENGTH	ASTM-D-579	Warp-	470 lbs/in	83.94 kg/cm
		Fill-	250 lbs/in	44.65 kg/cm
ENDS/INCH	ASTM-D-3775	Warp- 10, Fill - 8		
TEMPERATURE RESISTANCE		GR and WS:	1000 F	538 C : 649 C : 816 C
		VCF:	1200 F Continuous	
			1500 F Intermittent	
BASE FABRIC AND WEAVE		Fiberglass/Plain Weave		
COLOR		GR, WS-White, VCF-Tan		

*Material may suffer some degradation of physical properties after extended periods at elevated temperature. Finishes: GR - Greige or Loomstate, WS - Weave Set, VCF - Vermiculite Coated



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KEVLAR | TTT

Description:

Developed in 1965, KEVLAR is a fairly modern fabric with an innumerable amount of applications across many industries. Known for its heat-resistance and incredible strength, KEVLAR has found itself used as an essential component in protective equipment used by fire fighters, police officers, SWAT, security guards, etc. It's not just used in bullet-proof vests, but also in tires, clothing, sound equipment, archery, aerospace, etc.

KEVLAR is an aramid fiber blend over a fiberglass core yarn. It can be used to produce high temperature sleeves, heat shields and curtains, tadpole seals, etc.

Advantages:

KEVLAR is most notably recognized for its durability and ability to withstand impact, due to its high tensile strength-to-weight-ratio. It is known to be five times stronger than steel. In terms of temperature, KEVLAR can not only maintain its durability down to cryogenic temperatures, but is even found to be stronger in such conditions. In intense heat, the tensile strength is found to reduce by 10% after exposure to 160 °C (320 °F) for 500 hours.

Applications:

Values:

- Preheat blankets

WEIGHT: **22 oz/sy +/- 10%**

- Kneeling pads

THICKNESS: **.08 inches +/- 10%**

- Protecting hoses

COUNT: **20 x 11**

- Cables

TENSILE STRENGTH:

- Welding neck protector

WARP: **225lbs. / inch**

- Welding gloves

FILL: **150 lbs. / inch**

TEMPERATURE RESISTANCE: **600°F**

DATA SHEET: 130093 FM REV:K DATE: 5/8/19 *All values are nominal unless otherwise specified. All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.



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TUFFSLEEVE | TTT

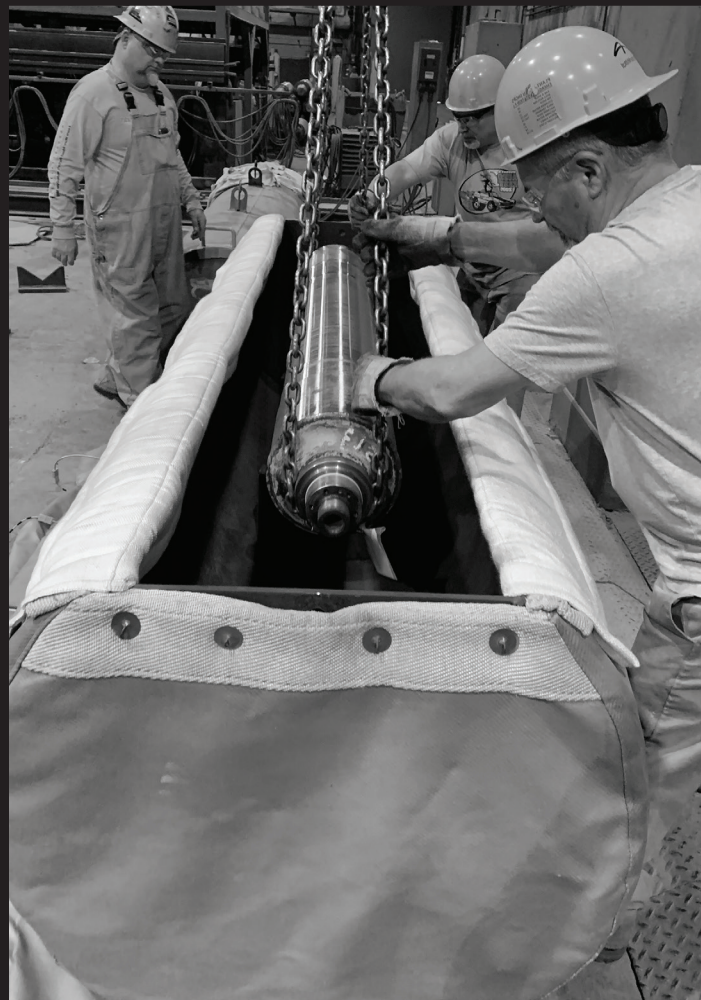
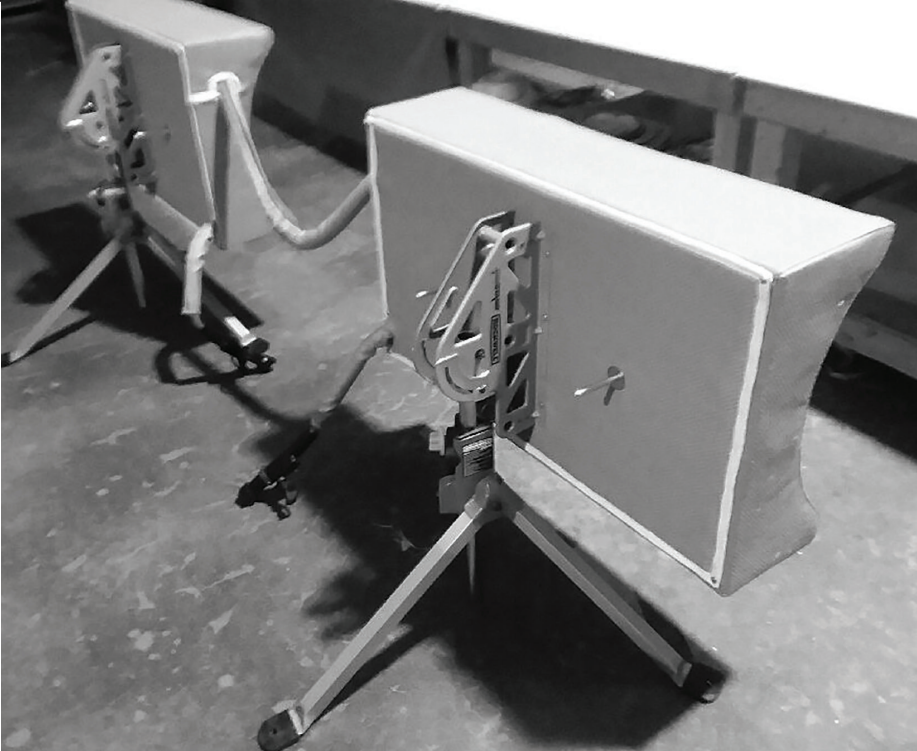
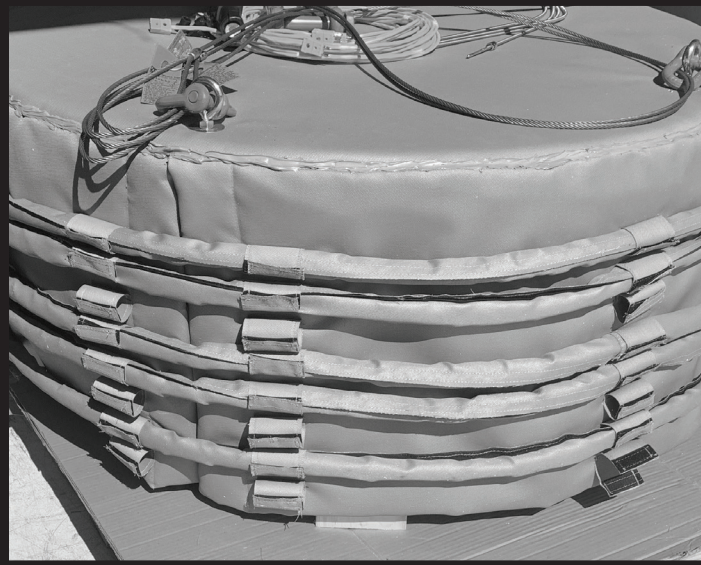
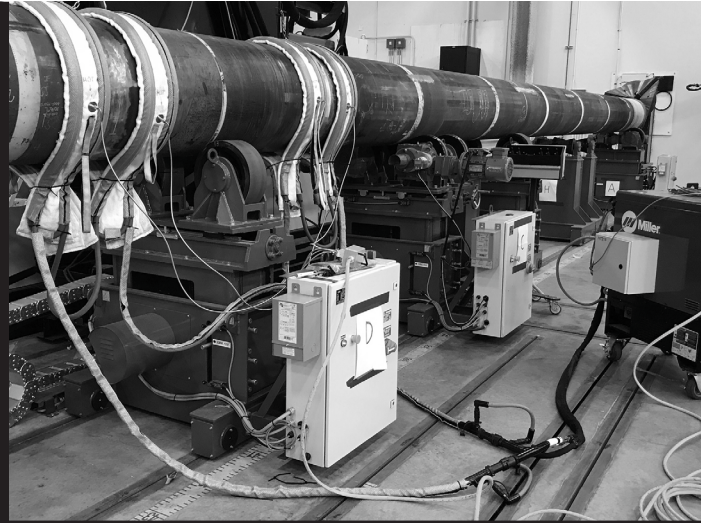
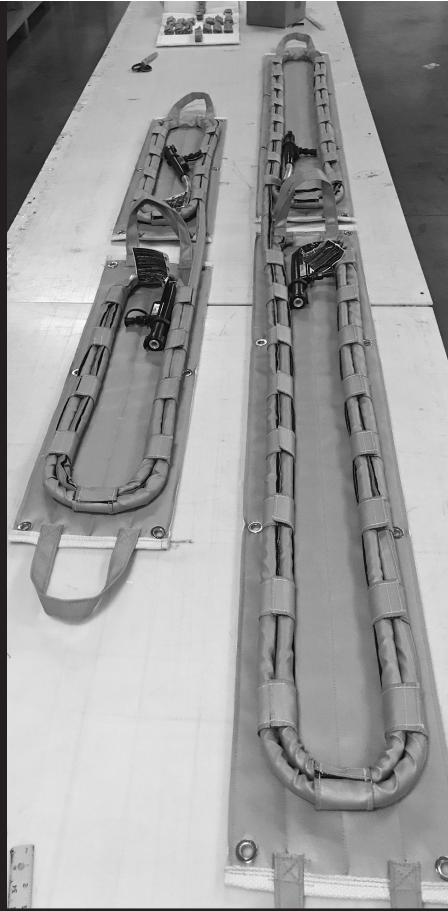
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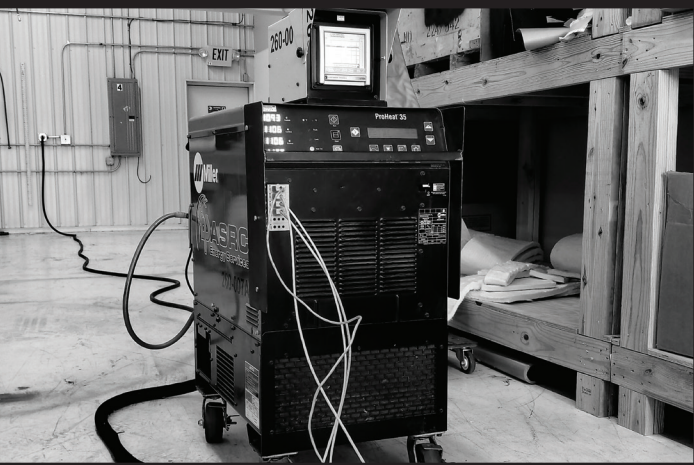
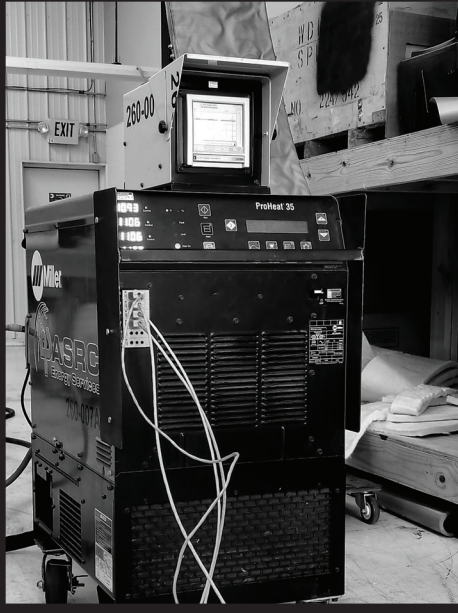
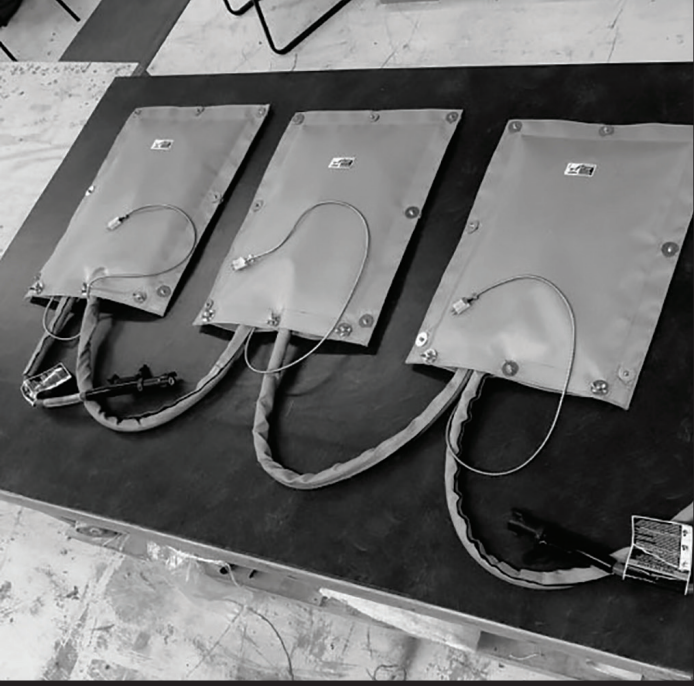
Our TUFFSLEEVE protective jacketing is a silicone/fiberglass composite, specially engineered to be more light-weight than other forms of insulation for induction coils. 80 ft of coil cover comes out to 5 lbs. TUFFSLEEVE has been made to be especially malleable, easily shaping itself to given surfaces. In addition to its freedom of shape, TUFFSLEEVE has a tough coating, giving it great resistance to higher temperatures and abrasion. TUFFSLEEVE is also highly resistant to oil, sparks, and grease. Specific shaping for TUFFSLEEVE available upon request.

Values:

<u>UPPER USE TEMPERATURE:</u>	480°F (249°C) Continuous Service
<u>WEIGHT:</u>	20.0 oz/yd² (680 g/m²)
<u>THICKNESS:</u>	0.018" (0.46mm)
<u>WIDTH:</u>	60" (1524 mm) Typical
<u>TENSILE STRENGTH (WARP):</u>	370 lbs/in (3240 N/50 mm)
<u>TENSILE STRENGTH (FILL):</u>	300 lbs/in (2714 N/50mm)

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