

ADVANCED Energy Saving Solutions

High-Temperature
Insulation Textiles &
Removable Insulation
Systems

For Industrial MROP
and OEM Applications

- ▶ PIPE AND HOSE COVERINGS
- ▶ GASKETING & SEALING
- ▶ REMOVABLE/REUSABLE
INSULATION SYSTEMS



Industrial Insulation Textiles and Removable/Reusable Insulation Systems

Auburn Manufacturing, Inc. (AMI) is the leading developer, manufacturer and marketer of high performance textile products for reducing the risks of fire and heat, protecting personnel and equipment, lowering energy consumption and saving money. We have been serving the mechanical insulation industry for over 30 years with a wide array of safe, heat-resistant textiles to cover a range of extreme temperatures. Our manufacturing expertise, market and technical knowledge gained through association with the National Insulation Association (NIA) and its members, and a focus on continuous improvement, all form the basis of new product development at AMI.

INDUSTRIAL INSULATION PRODUCTS

Pipe and Hose Covering Cloths, Tapes, Tubing

AMI-TUF® (SGL) (TGL)

Silicone rubber-coated and PTFE-coated fiberglass cloth.

AMI-GLAS® (GL)

100% fiberglass cloth, tapes and tubing.

CARBO-GLAS® (PGL)

Carbonized fiberglass directs bursts of extreme heat across, not through, the fabric.

VEXTRA® (GLV)

Fiberglass cloth, tape and tubing coated with non-combustible vermiculite armor.

AMI-SIL® (AS)

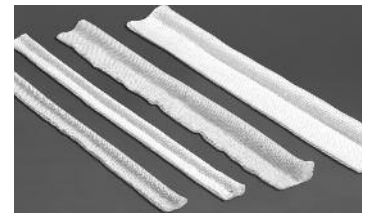
Minimum 96% pure amorphous silica cloth, tapes and tubing.

AMI-FLEX® (FL)

Advanced fiberglass-aramid composite cloth, tapes and tubing.

AMI-THERM® (NX)

Aramid non-woven cloth and tapes.



Gasketing & Sealing

ROPES

AMI-GLAS® (GLR)

100% fiberglass ropes are the industry standard for seals and gasketing.

AMI-FLEX® (FLR)

Advanced composite of aramid and fiberglass — a powerful combination of strength and versatility.

AMI-SIL® (ASR)

Minimum 96% pure silica ropes provide maximum protection against the highest temperatures.

AMI-SIL® Braided Rope (ASBR)

Minimum 96% pure silica ropes provide maximum protection against the highest temperatures.

TAPES/TADPOLE TAPES

AMI-GLAS® (GL)

100% fiberglass tadpole tapes are strong and dependable

VEXTRA® (GLV)

Tadpole tapes with vermiculite armor.

AMI-SIL® (AS)

Minimum 96% pure amorphous silica tadpole tape is our most powerful shield against extreme temperatures.

Removable Insulation Systems and Components

Ever Green® Cut 'n Wrap™ Modular Insulation Kits

Ready-to-use insulation kits designed for quick and easy, on-site fabrication and installation of insulation blankets.

AMI-FAB® Insulation Pad Components

Components for removable insulation jackets include hot side materials, cold side materials, fasteners and accessories.

Pipe and Hose Covering CLOTH

Applications Include: Pipe lagging, Expansion joints, Heat shields, Machinery protection, Insulation pads for removable flange and valve covers

Product	Weight/sq.yd (oz)	Thickness (in)	Widths (in)	Temperature Resistance (°F)
AMI-GLAS® (GL) 100% fiberglass cloth	8.5 - 60	.018 - .125	38 - 72	1000
VEXTRA® (GLV) Fiberglass/w non-combustible vermiculite armor boosts short-term heat resistance to 1500°F	12 - 60	.025 - .125	40 - 72	1000
CARBO-GLAS® (PGL) Carbonized fiberglass directs bursts of extreme heat across, not through, the fabric.	14, 20	.075, .150	40, 60	500
AMI-THERM® (NX) Aramid non-woven cloth, felted, stitch bonded	6-9	.060 - .125	40, 45	600
AMI-FLEX® (FL) Advanced fiberglass-aramid composite	17 - 33	.065 - .145	40 - 60	600
AMI-SIL® (AS) Minimum 96% pure amorphous silica cloth	12.5 - 40	.028 - .090	36, 39	1800
AMI-TUF® (SGL & TGL) Silicone rubber-coated and PTFE-coated fiberglass cloth	14 - 90	.013 - .125	37 - 60	500

Pipe and Hose Covering TAPES

Applications Include: Pipe wrap, Hose and cable coverings, Exhaust manifold wrap, Expansion joints, OEM heat shields

Product	Thickness (in)	Widths (in)	Temperature Resistance (°F)
AMI-GLAS® (GL) Texturized fiberglass tape	.032 - .250	.5 - 7.5	1000
VEXTRA® (GLV) Fiberglass/w non-combustible vermiculite armor boosts short-term heat resistance to 1500°F	.032 - .250	1 - 7.5	1000
AMI-THERM® (NX) Aramid non-woven tape	.060 - .125	1 - 45	600
AMI-FLEX® (FL) Aramid/fiberglass tape	.060 - .250	1 - 6	600
AMI-SIL® (AS) Minimum 96% pure amorphous silica tape	.050, .090	1 - 6	1800
AMI-SIL® (AS-PSA) Pressure sensitive adhesive-backed amorphous silica tape	.030 - .054	1.5 - 7	300

Pipe and Hose Covering TUBING

Applications Include: Protection of hose lines, Protection of metal tubing, Protection of cables, Protection of steam tracing lines

Product	ID Diameter (in)	Wall Thickness (in)	Temperature Resistance (°F)
AMI-GLAS® (GLT) 100% fiberglass tubing	.375 - 3.5	.060	1000
AMI-GLAS® (SGLT) Silicone-coated fiberglass tubing	.375 - 4	.125	500
VEXTRA® (GLTV) Fiberglass with non-combustible vermiculite armor boosts short-term heat resistance to 1500°F	.375 - 3.5	.060	1000
AMI-FLEX® (FLT) Aramid tubing	.375 - 2.5	.060	600

Gasketing & Sealing ROPES

Applications Include: Gasketing and wicking, Oven door seals, Drawstring for removable insulation jackets

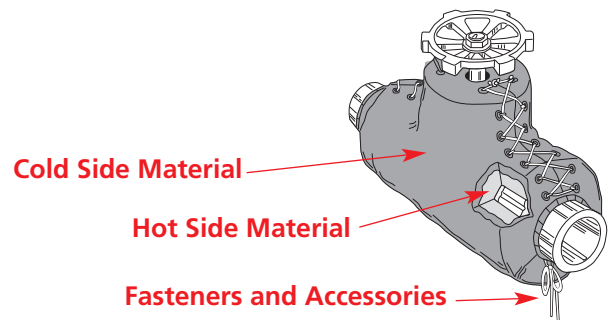
Product	OD Diameter (in)	Temperature Resistance (°F)
AMI-GLAS® (GLR) 100% fiberglass ropes are the industry standard for seals and gaskets	.125 - 1.5	1000
AMI-FLEX® (FLR) Advanced composite of aramid and fiberglass	.125 - .5	600
AMI-SIL® (ASR) Minimum 96% pure silica ropes provide maximum protection against highest temperatures	.375 - 1.5	1800
AMI-SIL® Braided Rope (ASBR) Minimum 96% pure silica ropes provide maximum protection against highest temperatures	.25 - 2	1800

Gasketing & Sealing TAPES/TADPOLE TAPES

Applications Include: A variety of gasketing and sealing applications

Product	Overall Width (in)	Bulb Diameter (in)	Temperature Resistance (°F)
AMI-GLAS® (GL) 100% fiberglass tadpoles tapes are strong and dependable	1-3	.375 - 1	1000
VEXTRA® (GLV) Tadpole tapes with vermiculite armor for increased short-term heat resistance to 1500°F (815°C)	1-3	.375 - 1.5	1000
AMI-SIL® (AS) Minimum 96% pure silica ropes provide maximum protection against highest temperatures	1-3	.375 - 1.5	1800

Removable Insulation System INSULATION PAD COMPONENTS



HOT SIDE MATERIALS

Product	Weight/sq.yd (oz)	Thickness (in)	Widths (in)	Temperature Resistance (°F)
AMI-GLAS® (GL) 100% fiberglass cloth	18 - 24	.036 - .055	40, 60, 72	1000
VEXTRA® (GLV) Fiberglass with non-combustible vermiculite armor boosts short-term heat resistance to 1500°F. Silicone-coated also available.	18 -24	.030 - .055	40, 60, 72	1000
AMI-SIL® (AS)* Minimum 96% pure amorphous silica cloth; also available in abrasion resistant	12.5 - 36	.028 - .054	36	1800

Product	Weight/sq.ft (lb)	Thickness (in)	Widths (in)
KNITTED WIRE MESH For additional hot side fabric protection	14 - 24	.008 - .011	18, 24 ,30, 42

* Refer to Sewing Guidelines on AMI website

COLD SIDE MATERIALS

Product	Weight/sq.yd (oz)	Thickness (in)	Temperature Resistance (°F)
AMI-TUF® (SGL)* Silicone rubber-coated cloth	14 - 32	.013 - .035	500
AMI-TUF (TGL)* PTFE-coated fiberglass cloth	14 - 18	.014 - .017	500
AMI-GLAS® (AGL) Aluminized 100% fiberglass cloth for spray shield applications	18	.031	300**

*Standard Color: Grey

Premium Colors: Carlsbad Tan, Bright Yellow, Red Guard, Juniper, Hess Green, White, and Black.

**Reflects limitation of the adhesive for aluminization.

Removable Insulation System FASTENERS & ACCESSORIES

DRAWSTRINGS

Product	Weight/sq.yd (oz)	Thickness (in)	Temperature Resistance (°F)
AMI-GLAS® (GLR) 100% fiberglass yarn	102 - 150	.125 - .1875	1000
AMI-GLAS® (SGL17) Silicone-Coated Tape	10ft, 25ft, 50ft	.016	500
AMI-FLEX® (FLR) 100% aramid fiber with fiberglass support	256 - 320	.125 - .1875	600

SEWING THREADS

PTFE-coated fiberglass, aramid, metallized or PTFE-coated quartz sewing threads for secure pad fabrication.

LACING HOOKS, WASHERS AND RINGS

Stainless steel accessories for secure and durable removable cover fabrication.

Removable Insulation System — MODULAR INSULATION KITS

Ideal for Institutional and Commercial Steam and Hot Water Systems



AMI's new Ever Green® Cut 'n Wrap™ insulation kits* are ready-to-use, removable and re-usable insulated covers for steam and hot water distribution piping valves, flanges, fittings and other hard-to-get to components. Each kit comes with a 32 square foot modularized insulation blanket and one 75 foot roll of double sided hook and loop fastener.

Key Benefits:

- Effectively insulates surfaces to 500°F
- Payback generally less than one year
- Reduces heat loss up to 85%

Average Installation Time — Less Than 20 Minutes Per Component

- All-on-one modular system designed for fast, on-site fabrication
- No special tools needed

www.cutnwrap.com

Visit the website for specs, case studies, videos and more.

* US and Foreign Patent Pending

Why AMI is the Safest Name in Extreme Temperature Textiles

1. We're a vertical U.S. textile manufacturer, with the broadest range of capabilities and three decades of experience at solving industry's challenges with **safe, reliable heat-resistant textiles**.
2. AMI's in-house test lab is fully capable of evaluating textiles submitted by customers and supplying accurate test data in order to make the **safest choice to take the heat**.
3. Our Quality Management System is ISO 9001:2008 Certified, your assurance of our commitment to **continuous improvement** of our products and processes.
4. We were first to provide **Third-Party Certification** for our Hot Work Safety Fabrics in compliance with NFPA 51B, 2009 Edition, and offer 17 Approved fabrics for optimal safety on the job.

Technical Support

Helpful AMI technicians are available during business hours, Monday-Friday, 8 a.m.-5 p.m. (EST) to answer your technical questions and help you choose the right product. Questions are also welcome via email at the AMI website, at www.auburnmfg.com where FAQs are also included.

Sample Availability

Samples and data sheets are available on all AMI products for testing and evaluation. Call our office or visit our website to order samples online, or to download data sheets, pdfs of brochures, case studies, safety data sheets and other literature.

Rapid Delivery...Worldwide

AMI products are readily available throughout North America, and are exported to over 20 countries throughout the world. From our U.S. warehouses, we are able to supply any size business with speed and reliability.

Certifications

ISO 9001:2008 Standard. Certification means that we have established and apply a quality management system for the design, manufacture and finishing of high temperature textiles, and that we are fully committed to continuous improvement to meet or exceed our customers' expectations.

WBE Certified. AMI is certified as a Women's Business Enterprise (WBE) by the Women's Business Enterprise National Council (WBENC), the leading certifier of women-owned businesses that sell to corporations and government organizations. WBE certification is recognized and accepted by the majority of top corporations across the U.S.

FM Approval obtained for 17 AMI hot work fabrics. FM Approvals has been recognized as the leader in third-party certification programs to help ensure the quality, safety and performance for fire prevention products globally. Certification requires that these fabrics have passed a stringent test and certification program, meeting the conditions of ANSI/FM 4950 Approval standard for safety, performance and quality.



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Ever Green Cut 'n Wrap is manufactured in the U.S. The insulation composite is produced domestically and meets the Buy American requirements.



Disclaimer: Anyone intending to use the products identified and described in this publication, as well as the information or specifications concerning these products, should, before using them, be satisfied that the products are suitable for the intended use and meet all appropriate and applicable safety and health standards. The products identified and described in this publication will perform to any expressly indicated specifications only when properly used, and the user, not Auburn Manufacturing, is responsible for their proper use.