

HIGH TEMPERATURE TAPES & SLEEVES



Newtex offers a specialized line of tapes and sleeves – including premium grade texturized fiberglass tapes and sleeves, vermiculite treated tapes and sleeves, bolt hole tapes, aluminum foil tapes, and basalt tapes – for use in high temperature gasketing, sealing, packing, lagging, insulation, and encapsulation applications. Newtex tapes are conformable and durable, resist most acids and alkalis, and won't shrink, stretch, or unravel. We offer a variety of coatings, treatments, thicknesses, and widths to accommodate a wide range of high temperature applications and can develop custom tapes and sleeves for unique high temperature applications. All tapes are woven from finer yarns and a tighter weave to enhance strength, flexibility, abrasion resistance, and insulation while reducing bolt pull-through.

Common Applications: Flange Gasketing, Boiler / Tadpole Gasketing, Oven and Furnace Door Sealing, Bubble Tray Gasketing, Steam Pipe Wrapping, Exhaust & Header Wrapping

Zetex® & ZetexPlus® Tapes

Tapes woven from Zetex® texturized fiberglass yarn support continuous operating temperatures up to 1000°F (540°C) and intermittent temperatures up to 1300°F (700°C). Zetex® tapes can be treated with our ZetexPlus® vermiculite coating to increase temperature and abrasion resistance. ZetexPlus® supports operating temperatures up to 1500°F (815°C) and intermittent temperatures up to 2000°F (1095°C). Zetex® and ZetexPlus® tapes are ideal for high temperature, low pressure gasketing and sealing applications.

Zetex® and ZetexPlus® Bolt Hole tapes are also available. Bolt hole tapes are woven without warp yarns in the center to support bolt insertion in applications like flange gasketing.

Z-Flex® Multilayer Aluminized & Aluminum Foil Tapes

Z-Flex® Multilayer Aluminized (MLA) tapes are designed for insulation and lagging applications that require heat reflectivity. They are woven from highly texturized DE glass and aluminized with Z-Flex® Multilayer Aluminization technology, a process that enables superior durability, flex-bond, and 95% radiant heat reflectivity with no organic flame contribution. Most Newtex Performance Materials, including Z-Flex® Multilayer Aluminized fabrics, can be slit to custom tape widths.

Z-Flex® Aluminum Foil (AF) tapes are an economical alternative to Z-Flex® MLA tapes. Foil is not as durable or flexible as Z-Flex® MLA, but it offers comparable radiant heat protection at a significantly lower cost. Though foil tape is suitable for most applications, Z-Flex® Multilayer Aluminized tape may be necessary for applications where tape will be subject to stretching, twisting, vibration, or other movement.

<p>Standard Coatings & Finishes</p>	<ul style="list-style-type: none"> • ZetexPlus: For added temperature and abrasion resistance • Heat Cleaned (HC): For a reduction in smoke generation • Color Dye: For identification purposes • Pressure Sensitive Adhesive (PSA): For temporary positioning and hold, like during gasket installation
<p>Custom Coatings & Finishes</p>	<ul style="list-style-type: none"> • Regular Treatment (RT): For a reduction in airborne fibers • Silicone: For resistance to abrasion, fluids, and chemicals • Wire Reinforcement: For strength and stability
<p>Standard coatings and finishes are available with a minimum order of 10 rolls. Custom coatings and finishes are subject to more substantial minimum order requirements. Please contact us for additional details.</p>	

Z-Rock™ Basalt Tape

Z-Rock™ Basalt tape is woven from a dark and shiny fiber derived from volcanic rock. Basalt offers resistance to operating temperatures up to 1500°F (815°C) and peak temperatures up to 2000°F (1095°C). Basalt tape is commonly used in automotive applications because of its temperature resistance and its smooth and shiny finish.

Zetex® & ZetexPlus® Sleeves

Woven from highly texturized DE glass yarn, Zetex® Sleeves are designed for use as thermal insulation and can be used to protect hydraulic and electrical lines, cable, or wiring. An over-spray process preserves texturization in fabrication and in use. Zetex® Sleeves support temperatures up to 1000°F (540°C), and any Zetex® Sleeve can be treated with our ZetexPlus® vermiculite coating to double its temperature resistance to 2000°F (1095°C) and improve abrasion resistance.

Tape Availability

All tapes come standard in 100' (30.48 m) rolls though select tapes are available in 50' (15.24 m) rolls. 100' tapes are sold in cases of 10 rolls. 50' tapes are sold in cases of 20 rolls. Custom lengths, widths, and weaves are also available with larger minimum order requirements. Contact us for more information.

Style	Thickness	Coating & Treatment Options	Available Widths
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Zetex® & ZetexPlus® Premium Tapes

Style	Thickness	Coating & Treatment Options	Available Widths
P-1050	62 mils / 1.57 mm	<ul style="list-style-type: none"> ZetexPlus® Heat Cleaned 	1.0" / 2.5 cm, 2.0" / 5.1 cm*, 3.0" / 7.6 cm, 4.0" / 10.2 cm, 6.0" / 15.2 cm
P-2150	125 mils / 3.18 mm	<ul style="list-style-type: none"> Color Treatment Pressure Sensitive Adhesive (PSA) Bolt Hole 	1.0" / 2.5 cm, 1.5" / 3.8 cm, 2.0" / 5.1 cm, 2.5" / 6.4 cm, 3.0" / 7.6 cm, 3.5" / 8.9 cm, 4.0" / 10.2 cm, 6.0" / 15.2 cm
P-3900	250 mils / 6.35 mm	<ul style="list-style-type: none"> Bolt Hole 	1.0" / 2.5 cm, 1.5" / 3.8 cm, 2.0" / 5.1 cm, 2.5" / 6.4 cm, 3.0" / 7.6 cm, 4.0" / 10.2 cm

Z-Flex® Aluminum Foil Tapes

Style	Thickness	Coating & Treatment Options	Available Widths
AF A-600	35 mils / 0.89 mm	<ul style="list-style-type: none"> Pressure sensitive adhesive (PSA) 	2.0" / 5.1 cm*

Z-Rock™ Basalt Tapes

Style	Thickness	Coating & Treatment Options	Available Widths
B-1050	42 mils / 1.10 mm	N/A	1.0" / 2.5 cm*, 2.0" / 5.1 cm*

*Available in 50' (15.24 m) rolls.

Sleeve Availability

A minimum order of one full spool applies to sleeve products listed below. Custom diameters are also available with larger minimum order requirements. Contact us for more information.

Zetex® & ZetexPlus® Sleeves

Style	Wall Thickness	Coating & Treatment Options	Available Inner Diameters (ID)	Spool Length
P-8000	1/8" / 0.32 cm	<ul style="list-style-type: none"> ZetexPlus® 	0.625" / 1.5 cm, 0.75" / 1.9 cm, 1.0" / 2.5 cm, 1.25" / 3.2 cm, 1.5" / 3.8 cm, 2.0" / 5.1 cm	All P-8000 Sleeves: 100' / 30.48 m
P-1600	1/16" / 0.16 cm		0.5" / 1.3 cm, 0.75" / 1.9 cm, 1.0" / 2.5 cm, 1.5" / 3.8 cm	P-1600 0.5": 500' / 152.4 m P-1600 0.75", 1.0", 1.5": 250' / 76.2 m



10/2017

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For nearly 40 years, Newtex has been a pioneer and leading global producer of high temperature materials and engineered solutions for thermal management and fire protection. Headquartered in Rochester, New York, Newtex is an ISO 9001:2015 certified, vertically integrated manufacturer of an impressive portfolio of textiles and fabricated systems for insulation and fire containment. Globally recognized textile brands include ZetexPlus®, Z-Flex®, and Z-Block™. Newtex is a minority owned, veteran-managed business that has served the US Military and leading global industries since 1978. Newtex products are proudly made in the USA.

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