

Zetex® Gasketing & Sealing

ZETEX & ZETEXPLUS HIGH TEMPERATURE TAPES, TWISTS & BRAIDS



Newtex offers a specialized line of tapes and ropes – including industrial and premium grade tape, tadpole tape, bolt hole tape, twisted rope, and braided rope – for use in high temperature gasketing and packing applications. Made from high-performance, texturized fiberglass yarns these products are an excellent replacement for asbestos and can withstand temperatures as high as 2000°F. They are also conformable and durable, resist most acids and alkalis, and won't shrink, stretch, or unravel. We offer a range of fabrics, coatings, thicknesses, and widths, and can also develop custom solutions.

Applications: Boiler/Tadpole Gaskets, Flange Gaskets, Bubble Tray Gaskets, Oven and Furnace Door Seals, High Temp Joint Packing, Expansion Joint Packing, Hot Top Seals, Mold Seals, Tube Seals, Pipe Wrap

Zetex® and ZetexPlus® Tapes

High temperature gasketing

Our tapes are woven from Zetex premium texturized fiberglass yarn to support temperatures to 1000°F, and can be coated with ZetexPlus to support temperatures upto 2000°F. Our tapes are ideal for high temperature, low pressure gasketing and sealing applications. Premium Grade Tape is tightly woven from 6 or 9 micron filaments and a finer yarn to enhance strength, flexibility, abrasion resistance, and insulation while reducing bolt pull-through. Commercial Grade Tape is woven from 9 micron filaments to provide an effective, economical alternative. Bolt Hole Tape is woven without the warp yarns in the center to support bolt insertion such as in flange gasketing. Wire-Reinforced Tape adds strength and stability for high temperatures. Tadpole Tape is ideal when limited bolt force is available - the "Tail" can be bolted to the door frame while the "Bulb" provides an effective door seal. Tadpole tapes are made to order.

Typical applications: Flange Gasketing, Boiler Gasketing/Tadpole Gasketing, Oven and Furnace Door Sealing, Bubble Tray Gasketing, Steam Pipe Wrapping. Also highly effective in automotive and engine heat management applications.

Zetex® and ZetexPlus® Ropes

High temperature packing and sealing

Our ropes are manufactured from Zetex yarn and support temperatures to 1000°F, and upto 2000°F with the ZetexPlus coating. Our ropes are used in high temperature sealing and packing applications such as those involving hot air, steam, or gases. Twisted rope is made from Zetex or ZetexPlus yarn and is an economical, conformable product used for sealing boilers and oven and furnace doors, including those with uneven surfaces.

Braided rope is stronger, denser, smoother, and more stable and is used in packing applications that require greater resistance to compression and mechanical wear. Square braided rope is similar in construction but made to support square channels and grooves.

Typical applications: Furnace Door Insulation and Seals, Coke Oven Door Seals, Expansion Joint Packing, Hot Top Seals, Mold Seals, Tube Seals, High Temperature Joint Packing, Bulb Material for Tadpole Tape

TAPE FABRIC GRADES

Premium Grade

Made from 6 or 9 micron filaments, finer yarns, and a tighter weave to enhance strength, flexibility, abrasion resistance, and insulation while reducing bolt pull-through.

Commercial Grade

Made from 9 micron filaments, coarser yarns, and a more open weave to provide an economical yet highly effective high temperature gasket or seal.

COATINGS AND FINISHES

- Silicone: For resistance to abrasion, fluids, and chemical.
- Heat Cleaned (HC), Regular Treatment (RT) or Dyed: Heat Cleaning reduces smoke generation; RT reduces airborne fibers; Color dyes provide customization and identification.
- Pressure-Sensitive Adhesive: For temporary positioning, such as during gasket installation.
- Aluminum Foil: For heat reflection and chemical and moisture resistance
- Z-FLEX MLA: For heat reflection in high vibration applications.

Tape Specifications

Tape	Grade	Thickness	Available Widths											
			.5"	1.0"	1.5"	2.0"	2.5"	3.0"	4.0"	6.0"	8.0"	10"	12"	
A-550	Premium (6mm)	1/32" 31 mil 0.8mm		■		■			■	■	■			
A-1050	Premium (6mm)	1/16" 62 mil 1.6mm							■	■				
A-2500 milspec	Premium (6mm)	1/8" 125 mil 3.2mm		■	■	■	■	■	■	■	■			
P-1050	Premium (9mm)	1/16" 62 mil 1.6mm		■	■	■	■	■	■	■	■	■	■	■
P-2150	Premium (9mm)	1/8" 125 mil 3.2mm		■	■	■	■	■	■	■	■			
P-3900	Premium (9mm)	1/4" 250 mil 6.4mm		■	■	■	■	■	■	■	■			
C-1000	Commercial (9mm)	1/20" 50 mil 1.3mm	■	■	■	■	■	■	■	■	■	■		
C-2000	Commercial (9mm)	1/10" 100 mil 2.6mm	■	■	■	■	■	■	■	■	■			
Bolt Hole Tape														
P-1051	Premium (9mm)	1/16" 62 mil 1.6mm		■	■	■	■	■	■	■				
P-2151	Premium (9mm)	1/8" 125 mil 3.2mm		■	■	■	■	■	■	■				
P-3900	Premium (9mm)	1/4" 250 mil 6.4mm		■	■	■	■	■	■					
C-1001	Commercial (9mm)	1/20" 50 mil 1.3mm		■	■	■								
C-2001	Commercial (9mm)	1/10" 100 mil 2.6mm		■	■	■	■	■						
Wire-Reinforced Tape														
A-1420 (wire)	Premium (6mm)	3/32" 94 mil 2.4mm		■	■	■	■	■						
Tadpole Tape		Bulb Diameter (in)												
Custom Order	Commercial (9mm)	0.5" to 1.5"		■	■	■	■	■	■	■	■			

NOTES:

- Standard tape spool length is 100 feet, except P-3900 which is sold in 50 foot spools.
- All tapes can be coated with ZetexPlus or color dye. Rewettable coating for lead and asbestos encapsulation applications is available.

Rope Specifications

Table shows rope density, in ft/lb.

Style	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Twisted Rope	51.00	38.76	20.92	12.20	6.72	5.76	4.56	3.08	2.00	1.08	N/A	1.12
Braided Rope	50.00	25.52	17.04	10.48	7.16	4.40	3.96	2.32	1.48	0.80	0.60	0.38

NOTES:

- Square Braided Rope available for custom order. Visit www.Newtex.com for standard spool length for various diameters.
- Ropes and twists can be coated with ZetexPlus or color dye.

Tubing Specifications

Style	Wall Thickness	Inside Diameter										
		1/4"	3/8"	1/2"	5/8"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"
P-8000	1/8" 3.2mm	■	■	■	■	■						
P-1600	1/16" 1.6mm		■	■	■	■	■	■	■	■	■	■



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For over 30 years, Newtex Industries has been a trusted leader in high temperature protective clothing and equipment. Our protective apparel, gloves, mitts, and fire curtains are made from performance Zetex®, ZetexPlus®, Z-Flex®, and Aramid fabrics to resist temperatures up to 2000°F while providing outstanding protection from heat, fire, sparks, and molten splash.



Newtex 2000 Series
Fire Entry Suit