

Distributed by Thermal Products Company, Inc.

Gasketing & Sealing

ZETEX & ZETEXPLUS HIGH TEMPERATURE TAPES AND TWISTED & BRAIDED ROPE



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 continuous operating temperatures to 1500°F (816°C) and peak temperatures to 2000°F (1093°C). 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 (538°C) and can be coated with ZetexPlus® to support temperatures up to 2000°F (1093°C). 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 finer yarns 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 at 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 used in high temperature sealing and packing applications such as those involving hot air, steam, or gas. Twisted rope is made from Zetex® yarn and is an economical, conformable product used for sealing oven or furnace doors and boilers, including those with uneven surfaces. Braided rope is stronger, denser, smoother, and more stable. It 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. Twisted and braided ropes can be overcoated with ZetexPlus® for increased temperature resistance.

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"	
			13 mm	25 mm	38 mm	51 mm	64 mm	76 mm	102 mm	152 mm	203 mm	254 mm	305 mm	
A-550	Premium (6mm)	1/32" 31 mil 0.8mm		■		■			■	■	■			
A-1050	Premium (6mm)	1/16" 62 mil 1.6mm							■	■				
A-2500 MIL-spec	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														
Custom Order	Commercial (9mm)	Bulb Diameter												
	Commercial	0.5" - 1.5" 13 - 38 mm		■	■	■	■	■	■	■	■			
	Commercial	1/2" 13 mm		■	■	■	■	■						
	Commercial	5/8" 16 mm		■	■	■	■	■						
	Commercial	3/4" 19 mm		■	■	■	■	■						
Commercial	1" 25 mm		■	■	■	■	■	■						

Standard tape comes in 100 ft rolls, except P-3900 which comes in 50 ft rolls.

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 and m/kg

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"
	0.6 cm	1.0 cm	1.3 cm	1.6 cm	1.9 cm	2.2 cm	2.5 cm	3.2 cm	3.8 cm	5.1 cm	6.4 cm	7.6 cm
Twisted Rope (ft/lb)	51.00	38.76	20.92	12.20	6.72	5.76	4.56	3.08	2.00	1.08	N/A	1.12
Twisted Rope (m/kg)	34.00	25.84	13.95	8.13	4.48	3.84	3.04	2.05	1.33	0.72	N/A	0.75
Braided Rope (ft/lb)	50.00	25.52	17.04	10.48	7.16	4.40	3.96	2.32	1.48	0.80	0.60	0.38
Braided Rope (m/kg)	33.33	17.01	11.36	6.99	4.77	2.93	2.64	1.55	0.99	0.53	0.40	0.25

Square Braided Rope available for custom order. Visit 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"
		0.6 cm	1.0 cm	1.3 cm	1.6 cm	1.9 cm	2.5 cm	3.8 cm	5.1 cm	6.4 cm	7.6 cm	10.2 cm
P-8000	1/8" 3.2mm	■	■	■	■	■						
P-1600	1/16" 1.6mm		■	■	■	■	■	■	■	■	■	■

NEWTEX



Thermal Products Company, Inc.
4520 S. Berkeley Lake Rd.
Norcross, GA 30071-1639

Phone: 770-662-0456
Fax: 770-242-6210
www.thermalproductsco.com
info@thermalproductsco.com

As the most trusted name in the industry since 1978, Newtex is the pioneer and leading global producer of high temperature textiles for thermal management and fire protection. We are an ISO 9001:2008 certified vertically integrated manufacturer, coater, and laminator of an impressive portfolio of insulation and fire resistant fabrics, tapes, ropes, tubing, and glass yarn, which support a broad range of applications that include fire safety, heat shielding, welding protection, insulation systems, expansion joints, and gasketing.

Newtex, Zetex, Z-Flex and ZetexPlus are registered trademarks of Newtex Industries, Inc.

