# TRANS-HEAT, LLC.

heat tracing specialists

*Romans 10:11 For whosoever believes on Him shall not be ashamed.*

**Made in USA**

# STRAPPING TAPES

*Accessories*

| FG-1 | FG-3 | AL-1 |

## DESCRIPTION
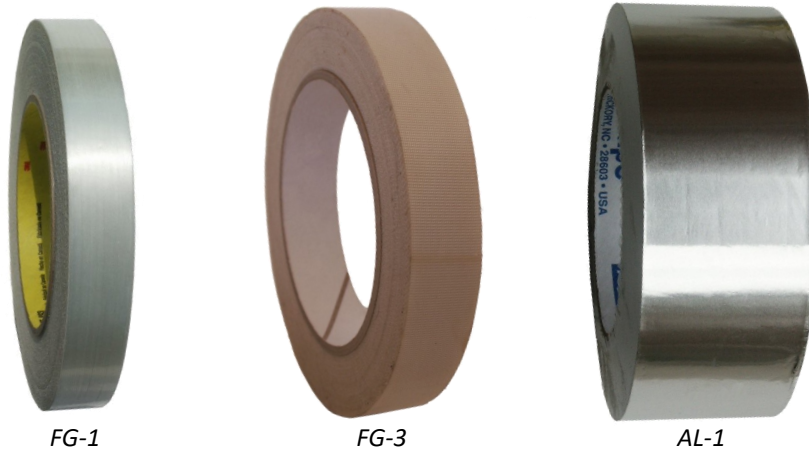
*FG-1 fiberglass tape is commonly used to secure heat tracing to pipes, appendages, instrumentation, etc. FG-1 is a general purpose tape reinforced with glass-yarn filaments that gives the tape high tensile strength, low stretch and superior tack. It's excellent for freeze protection and low temperature process applications. FG-3 glass cloth tape is a glass cloth tape with a high-temperature thermosetting silicone adhesive. It provides an increased bond once applied in areas of high ambient/process temperatures. FG-3 should be used in medium-high process temperature applications. AL-1 aluminum tape is used to improve heat transfer between tracers and pipes/vessels while lowering cable sheath temperature. Aluminum tape is mandatory for use on all plastic pipe and FRP vessels and is ideal for use in securing cable in gutters for roof & gutter applications.*

## SPECS

| | |
|---|---|
| **Tensile Strength (lbs/inch)** | *300(FG-1), 180(FG-3), 21(AL-1)* |
| **Overall Thickness (Mils)** | *6.0(FG-1), 7.0(FG-3), 3.4(AL-1)* |
| **Elongation** | *4.5%(FG-1), 5%(FG-3), 4%(AL-1)* |
| **Temperature Rating** | *185°F(FG-1), 400°F(FG-3), -40°F-250°F(AL-1)* |
| **Electrical Strength (Volts)** | *3,000 (FG-3)* |
| **Backing** | *Glass Filament, Glass Cloth, 2 Mil Dead Soft Aluminum* |
| **Adhesive** | *Rubber Resin, High-Temp Silicone, Acrylic* |
| **Adhesion (oz./inch)** | *55, 40, 45* |
| **Dimensions (Weight)** | *3/4" x 180' (.8 Lbs.), 1/2" x 108' (.3 Lbs.), 2" x 150' (1.5 Lbs.)* |

*Note: For FG tapes, the amount of tape required to secure heat trace is determined by taking the pipe diameter and finding the circumference (C = D x π) and adding 3" or >(avg.) of overlap. Divide your answer by 12 (12"/ft.) and multiply your answer times the length of pipe to be traced then divide by the number of feet of tape per roll. AL-1 tape should be applied lengthwise directly over the cable and pressed down around the edges to improve conduction.*