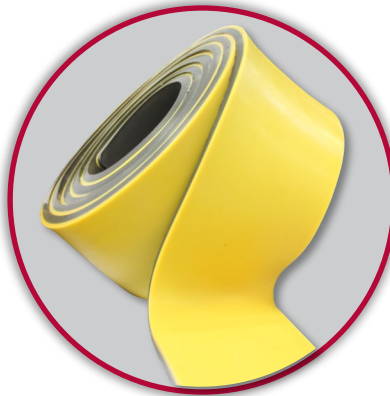


T-Flex[®] Ribbons



- 2" (50 mm) , 3" (75 mm), or 4" (100 mm) wide by 96" (2400 mm) long
- T-Flex[®] Tungsten— Densest, thinnest shielding material and highly flexible
- Wraps around complex geometries
- Quick to install
- Optional yellow color layer for visibility

Standard Ribbon Wrap

T-Flex [®] Tungsten Ribbon Wrap, 96" L x 2" W x 0.250" Shielding Thickness. (2400 x 50 x 6.25 mm) Includes Yellow Layer Approximate Total Weight: 12 lb (5.5 kg)	T62RWY96X2X250
T-Flex [®] Tungsten Ribbon Wrap, 96" L x 3" W x 0.250" Shielding Thickness. (2400x 75 x 6.25mm) Includes Yellow Layer Approximate Total Weight: 18 lb (8.2 kg)	T62RWY96X3X250
T-Flex [®] Tungsten Ribbon Wrap, 96" L x 4" W x 0.250" Shielding Thickness. (2400 x 100 x 6.25 mm) Includes Yellow Layer Approximate Total Weight: 24 lb (11 kg)	T62RWY96X4X250
T-Flex [®] Tungsten Ribbon Wrap, 96" L x 6" W x 0.250" Shielding Thickness. (2400x150x6.25 mm) Includes Yellow Layer Approximate Total Weight: 36 lb (16 kg)	T62RWY96X6X250

Technical Specifications

T-Flex® Ribbons are highly flexible strips. These ribbons can be spiral wrapped around components for a quick “hot spot” solution. When a component with complex geometry, such as a valve, has difficult to acquire dimensions, T-Flex® Ribbons are an easy way to implement shielding solutions.

Standard ribbons include a silicone yellow layer for visibility. Ribbons can also be made without the yellow layer to maximize shielding effectiveness when coiled around pipe fittings and other components. The standard length is 8 feet but the material can be easily cut in the field using common cutting tools.

Below are the technical specifications which apply to all T-Flex® products.

SPECIFICATIONS	
MATERIAL:	METAL IMPREGNATED POLYMER (TUNGSTEN, BISMUTH, IRON, BORON, BISMUTH/BORON BLEND)
SAFETY:	REFER TO SDS (SEPARATE DOCUMENT)
SITE PREPARATION:	ENSURE SURFACE IS FREE OF PROTRUSION OR SHARP AREAS. CONSIDER ALL INSTALLATION CONDITIONS
USAGE:	SECURE TO SURFACE VIA MAGNETS, STRAPS, OR OTHER SPECIFIED DEVICES
GENERAL CONDITION:	FLEXIBLE WITH NO SIGNS OF CRACKING OR BRITTLENESS, DARK GREY IN COLOR (OPTIONAL: COLORED OUTER LAYER)
HANDLING:	USING PRIOR TRAINING OR A MOCK UP DEMONSTRATION IS RECCOMENDED BEFORE INSTALLATION
PHYSICAL PROPERTIES:	<ul style="list-style-type: none"> TENSILE: 320 psi (22 bar) ELONGATION: 158% TEAR: 34.5 lbf/in (390 N/cm) DUROMETER: 46
MATERIAL DENSITY:	<ul style="list-style-type: none"> T-FLEX TUNGSTEN: 0.25 lb/in³ (6.9 g/cm³) T-FLEX BISMUTH: 0.16 lb/in³ (4.3 g/cm³) T-FLEX BORON: 0.045 lb/in³ (1.245 g/cm³) T-FLEX NEUTRON (BORON/BISMUTH BLEND): 0.093 lb/in³ (2.57 g/cm³)
THERMAL PROPERTIES:	<ul style="list-style-type: none"> CONTINUOUS OPERATING TEMPERATURE (REGULAR): 350°F (177°C) CONTINUOUS OPERATING TEMPERATURE (HIGH TEMP): 400°F (205°C) MAXIMUM TEMPERATURE: 450°F (232°C) ASTM E-84: CLASS A NFPA 701-2010: PASS
RAD STABILITY:	INCIPIENT TO MILD DAMAGE (25% DAMAGE) UP TO OVER 10E8 RADS (1000 KGY) (PER NASA SP-8053)
BORIC ACID SUBMERSION:	<ul style="list-style-type: none"> AFTER 96 HOURS: NO NOTICEABLE DEGREDATION OF THE T-FLEX ICP-OES ANALYSIS DID SHOW MEASURABLE AMOUNTS OF LEACHED TUNGSTEN IN BORIC ACID SOLUTION
LEACHABLES TEST:	<ul style="list-style-type: none"> ASTM D4327-03: ACCEPTABLE ASTM D1976-07: ACCEPTABLE