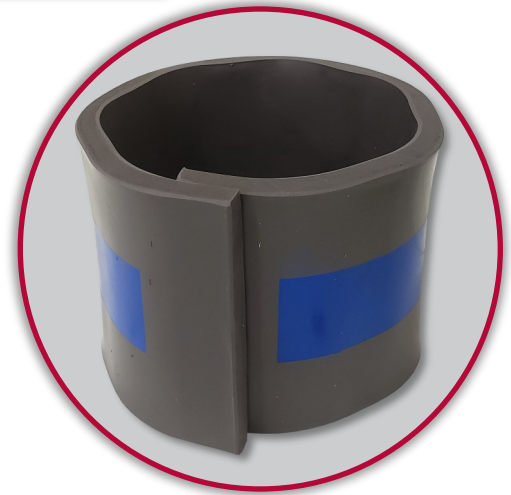
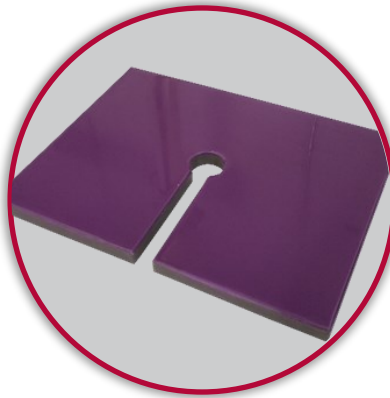
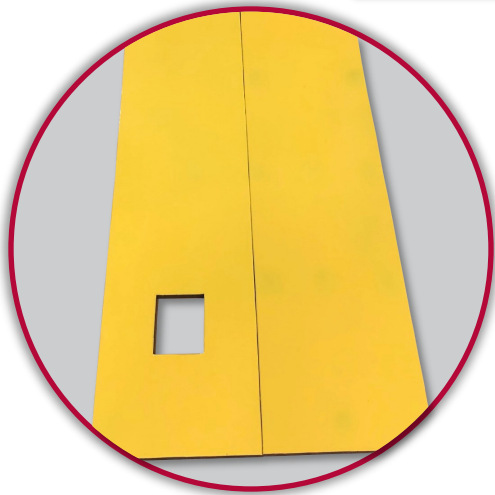


Magnetic T-Flex®



- High-strength magnets embedded and reinforced to prevent pull out
- Stackable up to two layers
- Extra magnets for overhead applications
- Quick to install
- Available in standard sizes or can be made for custom applications



Technical Specifications

Magnetic T-Flex® radiation shielding (including magnetic tungsten and bismuth shielding) incorporates high strength magnets to adhere safely and securely to carbon steel surfaces. Magnetic radiation shielding offers significant reduction in installation time when compared to traditional shielding blankets or walls. It can be manufactured in custom shapes to suit unique applications. Various hanging hardware can be incorporated when a secondary restraint is required.

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 BRITTLINESS, DARK GREY IN COLOR (OPTIONAL: COLORED OUTER LAYER)
HANDLING:	USING PRIOR TRAINING OR A MOCK UP DEMONSTRATION IS RECOMMENDED 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 DEGRADATION 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