

UNISORB® VIBRATION ISOLATION PAD MATERIALS

TITAN™ SHOCK PADS FOR EXTREME LOADINGS AND HEAVIEST IMPACTS



MANUFACTURED TO
MILITARY SPECIFICATION
MIL-C-882 E

TYPICAL APPLICATIONS

- Ball mills.
- Compressors.
- Forging hammers.
- Heavy presses.
- Impact generating machine shop equipment.
- Presses.
- Pumps.
- Structural bearings.
- Central air conditioning.
- Foundry equipment (jolters, shakeouts, etc.).
- Generators.
- Hydraulic hammers.
- Motors.
- Printing presses.
- Refrigeration equipment.
- Textile machinery.

Impact shock and vibration can do costly damage to machines, mounting devices and floors and noise may reduce efficiency of operating personnel. TITAN SHOCK PADS offer an easy economical way to solve these problems.

Made of a tough textile base laminated with a specially formulated oil resistant neoprene compound, these multi-ply pads provide protection and vibration isolation needed for machines and equipment, ranging in size from presses to forging hammers. TITAN SHOCK PADS protect floors and machine mountings against damaging impact shock while absorbing vibration and dampening structure-borne noise.

TYPICAL DEFLECTION

Load in Lbs. per Sq. In.	7 Ply 1/8 Thick	14 Ply 15/64 Thick	21 Ply 11/32 Thick	31 Ply 1/2 Thick	39 Ply 5/8 Thick	48 Ply 3/4 Thick	64 Ply 1 Thick
50	.001	.003	.005	.006	.008	.010	.012
100	.002	.005	.007	.010	.013	.015	.021
200	.003	.008	.012	.017	.021	.025	.034
500	.004	.014	.021	.031	.038	.046	.061
1,000	.006	.022	.032	.047	.058	.070	.093
2,000	.008	.033	.048	.070	.088	.105	.140

All Dimensions in Inches. Thicknesses other than standard are available.

TITAN™ SHOCK PAD SPECIFICATIONS

CONSTRUCTION -	Laminated plies of oil resistant neoprene-frictioned fabric. All plies laid straight with a continuous ply of frictioned duck on each cover side. 64 plies of frictioned duck per one-inch thickness.
MAXIMUM SIZE -	Mill run sheet sizes 1/8" through 11/32" thick: 48" wide. 1/2" thick and over: 48" x 14 1/2'.
THICKNESS TOLERANCE -	±5%
TENSILE STRENGTH -	4,000 psi, minimum
HEAT RESISTANCE -	No visible change after 72 hours at 160° F.
COMPRESSION STRENGTH -	Up to 1,800 psi perpendicular to the plane of laminations.
DENSITY -	0.0487 lbs. per cubic inch.
DUROMETER -	Shore A 90 ±5.

NEOPRENE PADS FOR MACHINES WITH FLOOR LOADING 5 TO 125 PSI



The smooth edge design of the low cost oil-resistant UNISORB NEOPRENE PAD prevents oil, grease, and dirt from accumulating beneath the load-bearing surface of the pad. Available in 18" x 18" x 5/16". Stiffness is 60 Durometer.