

X-CORD™ PADS

X-CORD™ Random Oriented Fiber Pads (ROF) are preformed fabric bearing pads that are composed of cross-layered, bi-directional reinforcing fibers. This is a composite material comprised of elastomer with reinforced randomly oriented fibers. The use of fibers strengthens the elastomers stiffness to resist vertical loads while increasing capacity, but soft enough to allow shear deformation.



ADVANTAGES:

- Engineered for predictable performance
- High compressive loading up to 10,000 psi
- Tough and durable
- Economical

SPECIFICATIONS:

Properties	ASTM Test Method		
Hardness (Shore A)	ASTM D 2240	75	(± 5)
Tensile Strength	ASTM D 412	1,000 PSI	Min.
Heat Aging <ul style="list-style-type: none"> • Change in Hardness • Change in Tensile Strength • Change in Elongation 	ASTM D 573	10 points ± 25% ± 50%	Max. Max. Max.
Tear Strength	ASTM D 624	400 lbs/in	Min.
Compression <ul style="list-style-type: none"> • Minimum Ultimate • Initial minimum cracking strain 	ASTM D 575	8,000 PSI 40%	
Volume Change (ASTM Oil #3 Swell)	ASTM D 471	120%	Max.
Ozone Resistance	ASTM D 518 50 hrs at 100° F ozone concentration of 80 pphm - tear strength	300 lbs/in	Min.

Bearing Pad Thickness Tolerance = 15% or ± 1/16", whichever is greater

Bearing Pad Plan Dimensions Tolerance = 3% or ± 1/8", whichever is greater