ALP® X-CORD® RANDOM ORIENTED FIBER PADS (ROF)

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 fibers. The use of fibers strengthens the elastomers stiffness to resist vertical loads while increasing capacity, but soft enough to allow for shear deformation and rotational stresses.

PRODUCT OVERVIEW

- High Load Capacity under rotational stresses
- Engineered for predictable performance
- Economical
- Tough and durable
- Helps prevent spalling
- Also available for slide bearing applications as X-Slide™

ALP X-CORD SPECIFICATIONS

Material Properties	Specifications	ASTM Test Method
Hardness (Shore A)	75 (±5)	D2240
Compression • Ultimate • Initial Minimum Cracking Strain	 8,000 psi Min 40%	D575
Tensile Strength	1,000 psi Min	D412
Tear Strength	400 lbs/in Min	D624
Heat Resistance • Change in Hardness • Change in Tensile Strength • Change in Elongation	 10 points Max ± 25% Max ± 25% Max	D573
Volume Change (ASTM Oil #3 Swell)	120% Max	D471
Ozone Resistance*	300 lbs/in Min	D1149

*Tested for 50 hours at 104 degrees F, Ozone concentration 80 pphm - Tear Strength.

Dimensional Information	Values
Available Thicknesses	*1/8", 1/4", 3/8", 1/2", **5/8", 3/4", 1"
Maximum Size	48" x 60"
Tolerance - Thickness	15% or ± 1/16", whichever is greater
Tolerance - Plan Dimensions	3% or ± 1/8", whichever is greater

*1/8" thickness is comprised of single-layered, uni-directional reinforcing fibers.

**5/8" thick material avaiable upon special request