SA-47® Bearing Pads

FABREEKA®
VIBRATION & SHOCK CONTROL

SA-47 bearing pads are made from masticated rubber using a blend of recycled rubber compounds and synthetic fiber reinforcement. The ROF, or random oriented fibers, provide enhanced compressive strength, stiffness and tensile strength when compared to unreinforced or virgin bearing pad materials.

Since 1947, SA-47 random oriented fiber bearing pads have been widely used in construction applications such as structural bearings, precast/prestressed concrete structures and bridges, masonry pads and railway tie pads. SA-47 material is also used for vibration isolation and shock reduction applications.

Features and Attributes

- **Distributes load between two structural elements evenly**
- **Accommodates non-parallel, load bearing surfaces**
- **Allows for small rotations**
- **Reduces electrolytic action between dissimilar metal elements**
- **Twice the compressive load of plain neoprene/nitrile materials**
- **Provides vibration and shock isolation in structural applications**
- **Meets most state DOT specifications**

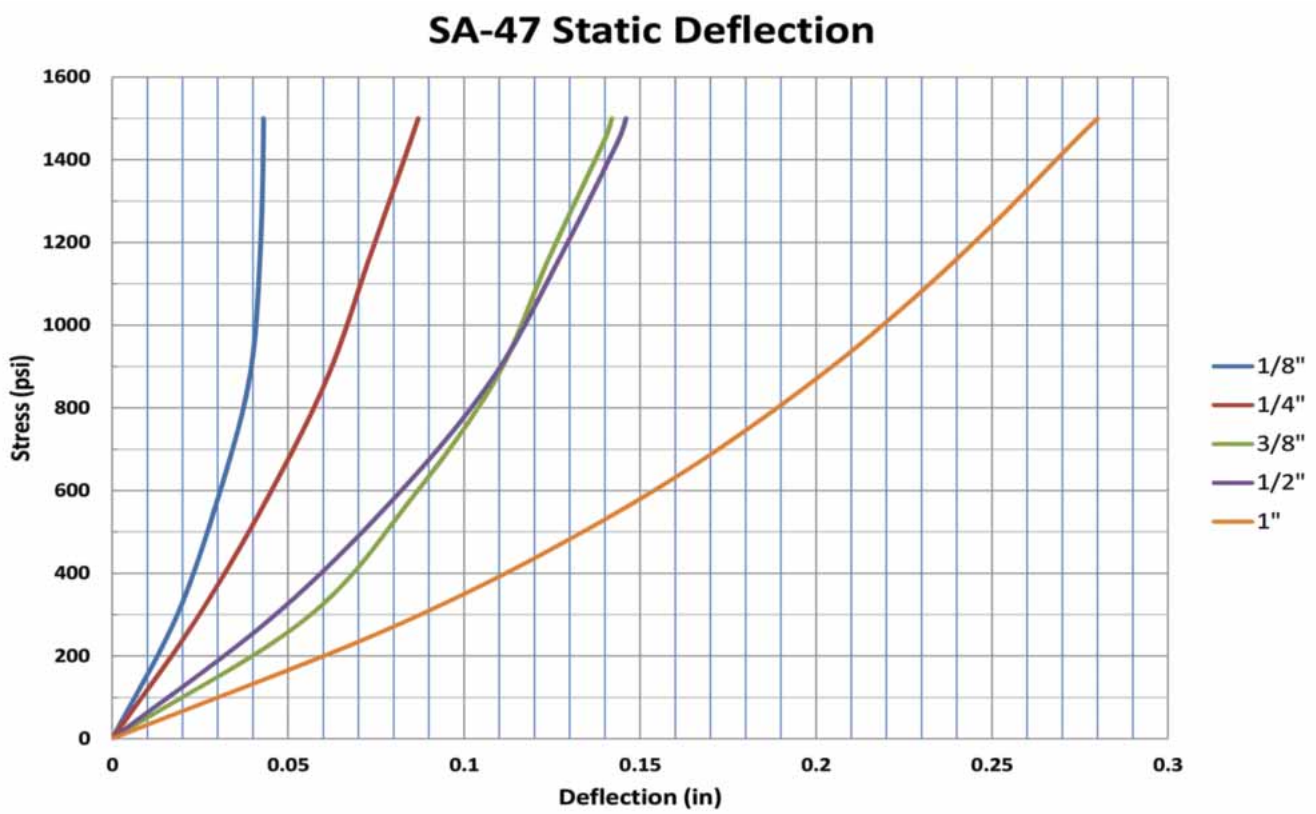
Physical Properties

PROPERTY		TEST	SPECIFICATION
Hardness: Shore "A"	Initial	ASTM D2240	80±5
	Heat Aged*		±10
Tensile Strength:	Initial	ASTM D412	754 psi (min)
	Heat Aged*		±25%
Elongation:	Initial	ASTM D412	15% (min)
	Heat Aged*		±25%
Tear Strength:		ASTM D624	150 pi (min)
Low Temperature Brittleness		ASTM D2137	Pass
Ultimate Compressive Strength			8,000 psi

*Heat Aged per ASTM D573, Method C, 70H@70°C.

Specification for SA-47® Bearing Pads

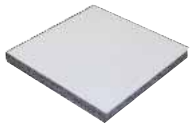
The preformed pads shall consist of a fabric and rubber body. The pad shall be made with new unvulcanized rubber and unused fabric fibers in proper proportion to maintain strength and stability. The surface hardness expressed in standard rubber hardness figures shall be 80 Shore "A" Durometer ± 10 durometer average. The ultimate breakdown limit shall be no less than 7,000 lbs per square inch for the specified thickness without extrusion or detrimental reduction in thickness. The pads shall be furnished to specified dimensions with all bolt holes accurately located.



Note: Deflection tolerance = 15%. Average deflections are based on ASTM D575.

Additional Products for Building & Construction

Fabreeka Bearing Pads
AASHTO 18.4.9.1



PTFE Bearing Pads

Structural Expansion Bearings

Flexible Drain Trough

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