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NEWS for Immediate Release

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Thermally Conductive Sponge

July 7, 2003 Philadelphia, Pa. – Stockwell Rubber Company announces the availability of thermally conductive silicone sponge cushioning pads and gaskets. A Saint Gobain product, R10404-M thermally conductive silicone sponge is ideal for cushioning applications in electronic assemblies requiring a combination of mechanical shock isolation and thermal conductivity. Thermally conductive pads are often used to fill the space between printed circuit boards and heat sinks or metal covers.

R10404-M silicone sponge is a particle-filled, closed cell, silicone sponge rubber requiring approximately 25 to 30% deflection to optimize its thermal transfer properties. Its flexible and compressible nature at this deflection is especially useful for conforming to and drawing heat from irregular surfaces. The material can withstand temperatures from -80°F to 400°F and maintains a thermal conductivity of 0.65 W/m-K.

R10404-M thermally conductive silicone sponge is available in thicknesses of .032", .062", .093", .125", .188", and .250" and with TR3 thermally conductive acrylic adhesive. It is also flame retardant and has a UL94V-1 rating.

Stockwell Rubber Company's core competence is the fabrication and molding of silicone rubber and similar high performance elastomers. Their in-house capabilities include custom molding and die cutting, and have recently taken on water jet cutting.

Many of Stockwell's customers take advantage of water jet cutting for fast turn prototypes and initial production.

For complete information on this thermally conductive product, or other silicone rubber materials and production capabilities contact:

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