

TECHNICAL DATA INFORMATION for

INERTEX[®] UHF JOINT SEALANT

INERTEX[®] EZ SEALS INSERTABLE GASKETS

INERTEX[®] SQ-S GASKET SHEET

General Information

INERTEX[®] UHF Joint Sealant, UHF EZ Seal Insertable Gaskets, and SQ-S sheet gasketing material are expanded PTFE (Teflon) products made from 100% virgin PTFE (Polytetrafluoroethylene). *INERTEX*[®] products are produced via a unique process, protected under U.S. patent #5,098,625 (see patent within booklet).

Our UHF process generates a **Uniformly** and **Highly Fibrillated** microstructure. This high ratio of the fibrillation results in millions of interlocking fibrils which provides significantly LESS CREEP and COLD FLOW characteristics than other expanded PTFE products. *INERTEX*[®] products are more dense, are more easily compressed with less clamping force, and fill flange surface irregularities more easily than other gasketing products.

Under compression *INERTEX*[®] products form an extremely strong inner structure which translates into high retention of bolt load with a tighter sealing gasket. This provides the user with lower emissions at every gasketed joint.

Because it is a formed-in-place gasket, *INERTEX*[®] UHF Joint Sealant is ideally suited for large diameter applications such as pressure vessels, tank lids, heat exchangers, manholes, and can also be used to form gaskets for any irregularly shaped equipment configuration.

INERTEX[®] UHF EZ Seal Insertable Gaskets are preformed rigid insertable gaskets which fit all standard ANSI Flanges 150# and 300# class. All properties and information defined in the following data for *INERTEX*[®] UHF Joint Sealant are applicable to *INERTEX*[®] UHF EZ Seal Insertable Gaskets.

INERTEX[®] SQ-S Sheet Gasket material is the largest expanded PTFE sheet in the world at 77" x 77" in either 1/16" or 1/8" thickness. It is easily hand cut or die cut. Please refer to the separate test data section for standard ASTM testing results.

Due to the characteristics of 100% Virgin PTFE, all *INERTEX*[®] products are completely unaffected by all common chemicals, do not deteriorate with age, will not contaminate flow media and will not leave a residue on the sealing surface when removed.