

INERTEX SQ-S™ GASKET SHEET

INERTEX SQ-S GASKET SHEET is the world's first 100% expanded PTFE in a true 60" x 60" format. This material is manufactured by our proprietary *isotropic-expansion* process which breaks all the rules traditional to gasket material manufacturing of the past. *Isotropic-expansion* provides a highly fibrillated microstructure with nearly equal tensile strength in every direction. This unique structure maximizes performance predictability and stability while minimizing creep and cold flow. *INERTEX SQ-S* definitely is an all-purpose gasket sheet that is setting the new standard in gasket technology.

ONE COLOR.....ONE CHOICE

INERTEX SQ-S is made of 100% virgin PTFE. Our *isotropic-expansion* process completely eliminates the need for binders, fillers, or pigments. This material is engineered to replace all filled PTFE gasket sheet materials in various colors such as fawn, blue, off-white, green, or orange. It will eliminate the possibility of misuse of these different colored gasket materials. Plus, gasketing inventories will be greatly reduced with *INERTEX SQ-S*, the one, all-encompassing gasket material.

PURE.....INTEGRAL

INERTEX SQ-S is so pure that it far exceeds the requirements set forth in the rigid SEMASPEC 92010934B-STD according to testing performed by a SEMATECH recognized laboratory. And, since it does not particulate, *INERTEX SQ-S* is the choice for handling ultra-pure fluids such as ultra-pure water, bio-tech, and pharmaceuticals.

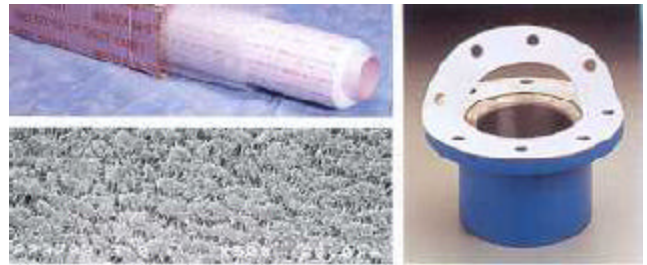
SOFT.....BUT STRONG

INERTEX SQ-S is very soft and extremely compressible with relatively light torque. It can be applied in FRP, porcelain, plastic, and glass-lined piping or vessels. Yet, this material is very strong and tough. It can withstand compressive loads of over 40,000 psi without affecting its sealing capability. *INERTEX SQ-S* is virtually impossible to abuse.

THE TIGHTEST

According to the testing done by Ecole Polytechnique Tightness Testing Research Laboratory (TTRL), *INERTEX SQ-S* is one of the tightest sealing gasket materials in the world. It can help meet the most strict regulations of the Clean Air Act. Coupled with excellent chemical compatibility with all VOC's, HAP's, and HON's, *INERTEX SQ-S* becomes the ultimate resolution to the EPA issue.

Distributed by:



USER-FRIENDLY

INERTEX SQ-S has an unlimited shelf life and will not become brittle, age, or otherwise deteriorate in the application. This material is unaffected by UV, ozone, and corona. It is easily hand or die cut. And, when necessary, *INERTEX SQ-S* can be removed easily from flange surfaces due to the non-sticking nature of PTFE.

QUALITY ASSURANCE

INERTEX SQ-S is manufactured in our ISO 9002 certified facility (Certification #94/4207). To assure receiving *INERTEX SQ-S* in the best condition each and every time, all sheets are individually rolled onto a paper tube and shrink-wrapped before being put into a blister sleeve and sturdy box.

INERTEX SQ-S Typical Properties

A S T M	Compressibility (F-36)	68%
	Recovery (F-36)	12%
	Sealability (F-37-B)	0.00 ml/hr (Fuel A) 0.02 ml/hr (Nitrogen)
	Creep Relaxation (F-38)	32% at 212°F 16% at 73°F
Temperature Limit	- 450°F to + 600°F	
Pressure Limit	Full Vacuum to 3000 psi	
pH Limit	pH 0 -14 EXCEPT MOLTEN ALKALI METALS AND ELEMENTAL FLUORINE	
FDA / USDA	Suitable INCLUDING RED INK FOR BRAND III	
Flammability	Will Not Burn	
Bacterial Growth	Will Not Support	
Sheet Size*	60" x 60" (1524mm x 1524mm)	
Thickness	1/16", 1/8", 1/4", 1mm, 0.5mm	
Tolerance	1/16" ± 0.006", 1/8" ± 0.010"	
Specific Gravity	0.85 ± 0.04	
THIS DATA IS FOR GENERAL REFERENCE ONLY AND SHOULD NOT BE THE SOLE MEANS OF SELECTING INERTEX SQ-S. TESTING DETAILS FOR ASTM, FSA, TTRL/MTL, AND SEMASPEC AVAILABLE UPON REQUEST. *80" X 80" IN DEVELOPMENT.		

THE FAMILY

INERTEX family represents a full line of 100% expanded PTFE gasketing and packing. Other products of *INERTEX* are as follows:

- *INERTEX UHF* Joint Sealant
- *INERTEX UHF* Gasket Tape
- *INERTEX EZ-Seal* Insertable Gaskets
- *INERTEX* Valve Stem Packing

Custom designed products are also available upon request. Please call our technical department at 1-800-732-5835 for your special requirements.

INERTECH INC.

TEL: 1-800-732-5835

FAX: 1-800-732-8828



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