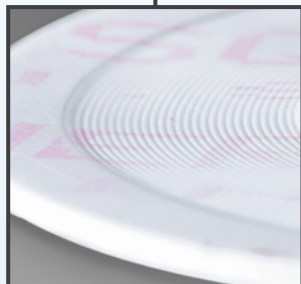




SQ-S ISOTROPIC GASKET SHEET



INERTEX SQ-S GASKET SHEET OFFERS ADVANTAGES OVER OTHER ePTFE GASKET SHEET

Successfully achieve your plant's Low-Emissions goals with **INERTEX® SQ-S Isotropic Gasket Sheet**. Manufactured under our US Patent 6,080,472 in our AS9100D & ISO 9001:2015 certified plant, **INERTEX® SQ-S Isotropic Gasket Sheet** is available in various densities, sheet sizes, and thicknesses.

INERTEX® SQ-S Isotropic Gasket Sheet is manufactured from 100% expanded virgin PTFE by our proprietary Isotropic expansion process that creates nearly equal tensile strength in every direction. This process provides a softness that allows sealing for low torque conditions, makes it forgiving of flange imperfections, while at the same time provides a crush strength in excess of 40,000 psi (275 N/mm²). The highly fibrillated microstructure created by this process maximizes performance predictability while minimizing creep and stress relaxation as validated by Ecole Polytechnique Tightness Testing Research Laboratory (TTRL). The TTRL test results show that Inertex SQ-S is one of the tightest sealing gasket materials in the world.

INERTEX® SQ-S Isotropic Gasket Sheet allows leak-tight sealing solutions for a wide range of temperature and pressure combinations. The gasket material has broad chemical compatibility as well as an unlimited shelf life. These characteristics combine to make it an excellent consideration for any gasket consolidation initiative.

Inertech's Technical Support

Inertech's technical team includes a professional engineer with almost 40 years of hands on experience in the trouble shooting of a wide range of sealing challenges that include pressure vessels, piping, rotating equipment, fans, blowers, etc. Our sealing solutions are based in the most current sealing technology that deploys Pressure Vessel Research Council (PVRC) gasket constants validated by third-party testing.

INERTEX® EXPANDED ePTFE

TEMPERATURE RANGE:

-450° F (-268° C)
to + 600° F (315° C)

PRESSURE RANGE:

Full Vacuum to 3000 psi
(20.7 MPa/ 207 Bar)

CHEMICAL COMPATIBILITY:

100% Expanded virgin PTFE
pH Range: 0 to 14

Chemically inert except for elemental fluorine and molten alkali metals

OXYGEN INDEX:

94.50%

FDA COMPLIANT:

Meets FDA 21 CFR177.1550
USP Class VI (unbranded)

NSF CERTIFIED (unbranded)

LOW CREEP AND COLD FLOW

NON-TOXIC, SILICONE-FREE

NON-CONTAMINATING

NON-PARTICULATING

NON-AGING IN SERVICE



SQ-S ISOTROPIC GASKET SHEET

You can Depend on These High Performance Features:

- Wide pressure and temperature range
- Unsurpassed chemical compatibility
- Excellent creep relaxation and cold flow resistance
- Will not harden or deteriorate with age
- Low coefficient of friction means material is easily removed
- Easily conforms to damaged or pitted flanges
- Low compressive load to seal
- Largest ePTFE sheet (80" x 80") in the industry
- Can withstand compressive loads up to 40,000 psi gasket stress
- Standard and Custom fabricated gaskets available from our production center
- Professional engineering support

Industries Served Including:

- Aerospace
- Oil and Gas
- Automotive
- Pharmaceutical and Medical
- Chemical Processing
- Power Generation
- Electronics
- Pulp and Paper
- Food and Beverage
- Wastewater Treatment
- Marine
- Semiconductor



SQ-S ISOTROPIC GASKET SHEET SIZES

THICKNESS	STANDARD SHEET SIZES		
	60 X 60 INCH	77 X 77 INCH	80 X 80 INCH
0.5mm	x		
1.0mm	x	x	
1.5mm (1/16")	x	x	
1.5mm (1/16") Rigid	x		
2.0mm	x	x	
3.0mm (1/8")	x	x	x
3.0mm (1/8") Rigid	x		
4.0mm	x		
5.0mm	x		
6.0mm (1/4")	x		
9.0mm (3/8")	x		

**Custom sheet sizes are available.
Call for more information.**

Inertex Family of Engineered Sealing Solutions

The Inertex family of gasketing and sealing products are the new standard for allowing end-users to achieve their Low-Emission and Leak-Tight goals!

- UHF Joint Sealant
- UHF Gasket Tape
- EZ Seal Gaskets
- Valve Stem Packing
- SQ-S Isotropic Gasket Sheets
- Isotropic Gasket Tape
- Low Torque Gaskets
- Inermet Gaskets (with Metal Insert)



inertech, Inc. SOLUTIONS ENGINEERED IN ePTFE

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VISIT: www.inertech.com

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