

**INERTEX<sup>®</sup> Inermets** are made with a corrugated metal insert (typically 24 gauge 316ss) sandwiched between two layers of **INERTEX<sup>®</sup> SQ-S Isotropic Expanded PTFE gasket sheets**. Typically the ePTFE sheet thickness is 1/16" (1mm also available.)

**TIGHTEST SEALING GASKET PLUS THERMAL CYCLING CAPABILITIES**

**INERTEX<sup>®</sup> SQ-S Isotropic Expanded PTFE gasket sheets** are the tightest sealing ePTFE under 600°F! When coupled with the corrugated metal insert, these gaskets are "energized" allowing the gasket to compensate for extreme temperature variations while still providing the tightest seal.

**EXTREMELY RESISTANT TO BLOW OUT**

The thin profile of the highly compressible **INERTEX<sup>®</sup> ePTFE Sheet** plus the reinforcement of the corrugated metal insert makes this an ideal product for steam lines, blow lines, hand hole and manway gaskets, or other applications where blow-out resistance is critical.

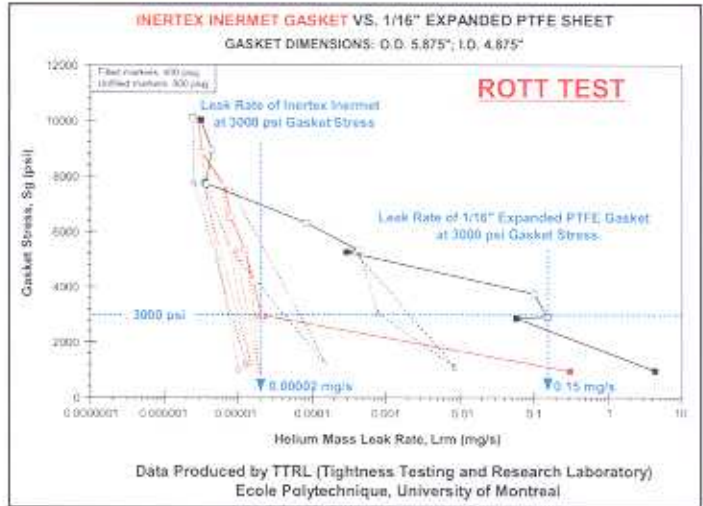
**ANY SIZE / ANY CONFIGURATION**



**Inermets** can be fabricated into nearly any style and shape of gasket including oval manways, ribbed heat exchangers, strips, plates, or others as required.

**INERMET PITA STYLE**

The **PITA style Inermet** (as illustrated) has the metal inserted in the expanded PTFE sheet as a one piece construction. The ID of the ePTFE is solid (not split) which isolates the metal from the fluids. As a further enhancement, in applications where electrical arcing might take place, the gasket sheet is extended beyond the OD of the metal insert which isolates all



**Suggested Torque Values (ASME/ANSI Raised-Face Flanges) Flat Ring Gasket for ASME/ANSI B16.5 Pipe Flanges and Flanged Fittings**

Class 150	Tightness Class				
	T1	T2	T3	T4	T5
Flange Size (NPS)	MINIMUM TORQUE VALUE per bolt				
(inch)	(ft-lb)				
2	17	17	20	37	70
2-1/2	20	20	23	43	82
3	29	29	34	64	120
3-1/2	17	17	19	36	67
4	21	21	24	45	85
5	33	33	36	67	127
6	43	43	45	85	161
8	61	61	61	115	218
10	61	61	61	109	207
12	83	83	83	145	275

Above Torques are Typical Values for an Internal Pressure of 150psi

**Suggested Torque Values (ASME/ANSI Raised-Face Flanges) Flat Ring Gasket for ASME/ANSI B16.5 Pipe Flanges and Flanged Fittings**

Class 300	Tightness Class				
	T1	T2	T3	T4	T5
Flange Size (NPS)	MINIMUM TORQUE VALUE per bolt				
(inch)	(ft-lb)				
2	10	10	12	22	42
2-1/2	14	14	17	31	59
3	21	21	24	46	87
3-1/2	25	25	27	52	98
4	31	31	35	65	124
5	41	41	43	82	154
6	36	36	36	69	130
8	61	61	61	109	205
10	70	70	70	114	214
12	108	108	108	170	321

Above Torques are Typical Values for an Internal Pressure of 300psi

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**We Ship World Wide**