



DATA SHEET

INTRODUCTION

With the banning of Asbestos and the varied performance of Non-Asbestos Fibres against steam, and many vigorous chemicals, Graphite has come to the fore as a premium quality jointing to suit many applications.

KG- TRG is expanded graphite, foil reinforced with a single or more insertions of tanged 0.10mm thick stainless steel. No adhesive is used to bond graphite layers. This sheet is used frequently in flange connections for piping and machinery. It is extremely suitable for steam systems, in chemical and petrochemical industries, processing industry etc.



CERTIFICATE NO. 19809
ISO9001

Tanged Reinforced Graphite KG- TRG

Properties					
Thickness (mm)	/	1	1.5	2	3
Max. Temperature (°C)	/	-200 to +500 Oxidising -200 to +600 Steam			
Max. Pressure (bar)	/	140			
Density (g/ cm ³)	/	1.1			
Ash Content(%)	DIN 51 903	1			
Leachable Chloride Content (ppm)	/	so			
Material of Insertion	DIN/ASTM	1.4401/55 (Tanged)			
Thickness of Insertion (mm)	/	0.1			
Number of Inserts	/	1 or 2			
Gas Permeability (cm ² / min)	/	0.6	<0.6	<0.8	<1
Spec. Leak Pate (mg/s/m)	/	/			
Stress Relaxation (mg/s/m)	DIN 52913, 16h/300°C	>48	>48	>48	>45
Compressability (%)	ASTM F 36A-66	30-35		30-40	
Recovery(%)	ASTM F 36A-66	15-20			
Min. Gasket Assembly Stress (N/mm ²)	/	20			
M	DIN Factor	1.3			
Max. Permissible Gasket Stress (N/ mm ²)	/	180	160	140	120
Max. Permissible Gasket Stress Under Service Conditions (N/ mm ²)	/	160	140	120	100
M	ASTM Factor	3	3	2.5	2.5
Y (psi)	ASTM Factor	9000	9000	4000	4000

The information given is based upon average values and is in no way intended as a warranty. The purchaser shall be responsible for determining the suitability of the product for any particular application.