

Champion Gasket

Style GS 64T

TANGED REINFORCED GRAPHITE SHEET

High temperature / pressure SS316 tanged laminated graphite high grade sealing system

CHAMPION STYLE GS 64T TANGED GRAPHITE SHEET is Graphite laminate reinforced by a micro perforated min 0.10mm thick stainless-steel 316L reinforcing core. The sheets are compressed by a controlled calendaring process along with an advanced chemical treatment and mechanical procedure.

Applications: CHAMPION STYLE GS 64T is ideal for intermediate and high pressure steam systems and process duties in the refining, petrochemical and manufacturing industries. Its preferred material for head gasket and exhaust gasket of engines.

Service Media: Steam, mineral oils, heat transfer oils, hydraulic oil, fuel, water, seawater, freshwater etc. Not suitable for sealing strong oxidizing chemical media like highly concentrated nitric acid or chromic acid).

How Supplied:

Sheets, pre-cut gaskets, special density, thickness, shape or grade available on request.

Sheet ordering information

Available Sheet Sizes in mm (+/- 5%)	1000 mm x 1000 mm 1500 mm x 1500 mm
Thickness (mm)	1.0 mm; 1.5 mm; 2.0 mm; 3.0 mm; 4.0 mm; 5.0 mm

Typical Physical Properties:

Description	Standard Specs	Typical Values
Density	DIN 28090-2	1.1-1.3 (± 0.05) g/cm ³
Tensile Strength	ASTM F 152	≥ 4 MPa / 40 Bar (580 psi)
Compressibility	ASTM F 36	$\geq 30\%$
Stress Relaxation	BS 7531	10%
Gas Permeability	BS 7531	< 0.5 cc/min
Recovery	ASTM F 36	$\geq 15\%$
Water Absorption	BS 7531	$\leq 5\%$
Ignition Loss	DIN 52911	20%
Carbon Content	—	$\geq 98\%$
Ash Content	—	$\leq 0.3\%$
Sulphur Content	—	≤ 1000 ppm
Chlorine Content	—	≤ 30 ppm
Creep	—	$\leq 5\%$



SEALANT & GASKET INDIA PRIVATE LIMITED

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VALVE STEM DUTIES

Maximum Operating Temperature:

+450°C / +842°F (Hot Air)

+650°C / +1202°F (Steam)

+3000°C / +5432°F (Inert Media)

Minimum Operating Temperature:

-200°C / -328°F

Maximum System Pressure:

30 MPa / 300 Bar (4351 psi)



PRESSURE

Maximum Pressure:

20 MPa / 200 Bar (2900 psi)