



Tanged Graphite Datasheet

Operating Parameters:

Min. Temp. -200°C

Max. Temp. +500°C (intermittent, dry)

Max. Temp. +650°C (intermittent, steam)

Max. Pressure: 140 bar (2030 psi)

Thickness available: 1.5mm, 3mm

Color: Black

| Property | Value | Unit |
|--------------------------------|-------------------------|----------------------|
| Density | 1.1 | g/cm ³ |
| Ash Content (DIN 51 903) | ≤1.0 | % |
| Leachable Chloride content | ≤50 | ppm |
| Material of Insertion | 1.4401/SS (tanged) | - |
| Thickness of Insertion | 0.1 | mm |
| Gas Permeability | <0.60 (for 1.5mm thick) | cm ² /min |
| Spec. Leak Rate | - | mg/s/m |
| Stress Relaxation (DIN 52 913, | >48 (for 1.5mm thick) | mg/s/m |
| Compressibility (ASTM F 36A- | 30 – 35 (for 1.5mm) | % |
| Recovery (ASTM F 36A-66) | 15 – 20 | % |
| Minimum Gasket Assembly | 20 | N/mm ² |
| M DIN Factor | 1.3 | - |
| Maximum Permissible Gasket | 160 (for 1.5mm) | N/mm ² |
| Maximum Permissible Gasket | 140 (for 1.5mm) | N/mm ² |
| M ASTM Factor | 3 (for 1.5mm) | - |
| Y PSI ASTM Factor | 9000 (for 1.5mm) | - |