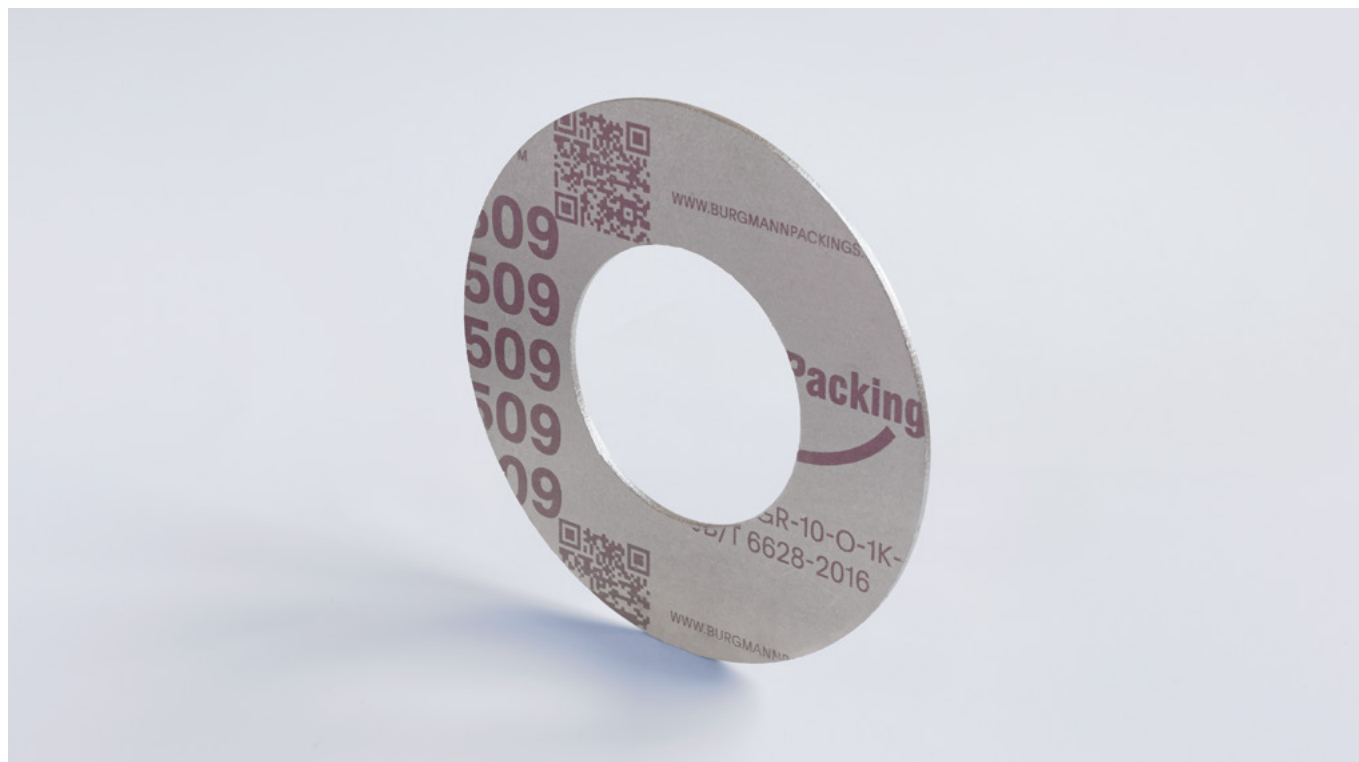


# BPG 8509



## PROPERTIES

BPG 8509 is a sheet made of expanded graphite reinforced by multilayer stainless-steel flat inserts (316L – thickness 0.05 mm) which improves its handling, cutting and allows very high compressive loads, therefore suitable for very high demanding operating conditions in all industries.

## APPLICATIONS

Due to its high compressibility and high resilience makes BPG 8509 a perfect solution for applications with high temperature and pressure combinations and offers operating plant safety and excellent gas tightness. Suitable for steam, gases, hydrocarbons, heat transfer oils and aggressive (non-oxidizing) media in flange connections, heat exchangers, vessels, steam boilers, pumps and valves.

## TYPICAL PHYSICAL PROPERTIES

Sheet Size	1000 × 1000 mm 1500 × 1500 mm on demand
Sheet Thickness	1.0 – 1.5 – 2.0 – 3.0 – 4.0 mm
Density	1.1 g/cm <sup>3</sup>
Carbon content	> 99%
Ash content	< 1%
Compressibility – ASTM F36 A	35 %
Recovery – ASTM F36A	20 %
Sulphur content	< 300 ppm
Chlorine content	< 25 ppm

## OPERATION PARAMETERS

Temperature	– 200 °C up to + 500 °C in steam + 550 °C
Pressure	200 bar

## PRODUCT SPECIFICATIONS

Certifications/approvals	Fire Safe 6FB, Hot Blow Out Safety Test (HOBT1)
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## BENEFITS

- No hardening or ageing due to absence of binders
- Long term stability of compression and recovery against media
- Due to its insert easy handling and offers more safety during installation
- High mechanical stability