



## Grafoseal C 9212

### Description:

C 9212 is an expanded graphite material with corrosion inhibitor, a purity degree of min. 95 %, and strengthened by lamination with a special inlay of carbon steel. The tanged metal inlay binds the graphite mechanically to the steel. For this reason, the material does not contain any binding agent. C 9212 has excellent creeping characteristics, even under extreme chemical and thermal stress.

### Specifications

### Values

Basic density before lamination	1.1 g/cm <sup>3</sup>
Temperature	-240°C to +550° C
Compressibility ASTM F36/A	20 - 40 %
Recovery ASTM F36/A	20 - 50 %
<b>ASTM fuel B - after 5 hours at 23° C:</b>	
Weight increase	10 - 20 %
Thickness increase	2 - 5 %
<b>ASTM oil no. 3 - after 5 hours at 150° C:</b>	
Weight increase	10 - 20 %
Thickness increase	3 - 6 %

### End use applications:

C 9212 is applied in areas with high chemical and/or thermal stress. For example: joints in chemical and steam works, production plants with thermal variations, heat exchangers and gas coolers, where additional improved protection against corrosion is required. Please also refer to the special media compatibility chart also.

**Material Thickness:** 2.0 mm

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The function and durability of gaskets are highly dependent on the application and the medium. Since the conditions of use are beyond our control, Elwis Royal can only be held responsible for the characteristics of the material and for the geometrical design of the gasket.