

Gra-Flex 5200



is an expanded graphite gasket sheet, with more than 98% of purity, reinforced with double insert of pure aluminum alloy core.

PRODUCT FEATURES:

GRA-FLEX®-5200 is recommended for high temperature, high pressure sealing applications, for applications involving high sealing stresses and where high blow out resistance is required.

Thanks to special characteristic due to the double internal reinforcement in pure aluminum alloy it finds its ideal use as inserts for PTFE envelope gaskets.

TYPICAL PROPERTIES:

PROPERTIES	TEST METHOD	UNITS	VALUE
Colour			Gray
Max recommended Temperature (inert or reduceing media)		°C	- 196 / + 600
Max recommended Temperature (oxidising media)		°C	- 196 / + 370
Max Operating Pressure		bar	150
Density of graphite	ASTM D792	gr/cm ³	1,00+/-0,05
Creep Relaxation	DIN 3535-6	%	< 3
Tensile Stenght	ASTM	Mpa	> 25
Compressibility	DIN 3535-6	%	> 35
Recovery	DIN 3535-6	%	> 10
Leakage rate	DIN 3535-6	mg/(s*m)	< 0,08
Purity of graphite			> 98%
Sulphure Content			< 1000 ppm
Leachable Chloride Ion Content			< 50 ppm
Leachable Fluoride Ion Content			< 50 ppm
Y	ASME VIII	MPa	14
m	ASME VIII	factor	2

Note : These are typical properties and not used for specification purpose

PRODUCT PROPERTIES:

- Reduced product loss and emissions
- Without creep relaxation and cold flow
- Excellent chemical resistance
- Excellent bolt torque retention
- High range of operation temperature and pressure

All information in this document is based on years of experience in manufacture and use of the discussed products. Since sealing performance in the joint is subject to multiple factors such as mounting method, system parameters, and sealed medium, technical parameters specified herein are of informative nature only and cannot be used as grounds for any claims any special uses of products are subject to consulting with the manufacturer.