

EXPANDED GRAPHITE SHEETS TREGRAPH® AR

AVKO® manufacture and offer ready made flat gaskets from that material.



CHARACTERISTICS

Non asbestos sealing sheets, manufactured from expanded graphite with tanged steel reinforcement, made from SS316.

Application

Tregraph® sheets are used for sealing of flanges, contact surfaces, covers, heat-exchangers, etc. It is the best material for sealing of steam, hot steam, hydrocarbons, etc.

Advantages

TREGRAPH® sheets have following advantages:

- Excellent resistance to high temperatures and loading in combination with high internal pressure of fluid;
- Chemical resistance to media with pH 0 ÷ 14: hot water, oils, hot steam, , gases and ashes, sulphades, etc.;
- Excellent heat conductivity;
- Radiation resistance;
- Long term elasticity, material is not aging;
- TREGRAPH® sheets are 2 times less dense ($1,1 \div 1,2 \text{ g/cm}^3$) comparing to the polymer or conventional fiber sheets ($1,8 \div 1,9 \text{ g/cm}^3$). In result end user has economy of material.
- Reinforcement with tanged steel ensure better resistance of material to high internal pressure, tha steel mesh, used in other sealing sheets.

Technical parameters

Carbon Content:	≥ 98 %
Sulphur content:	≤ 1000 ppm
Chloride ions:	≤ 50 ppm
Compressibility:	40-43 %
Recovery:	14-15 %
Tensile strength:	4,0 MPa
Loading strength:	140 MPa
Weight loss:	
at 450°C	1%
at 600°C	20%
Temperature	-200°C/+550°C
Working pressure	120 bar

*Given parameters are for sheet with thickness 2 mm

Quality Control

The whole production process is supervised in accordance with the Quality System ISO 9001, ISO 14001, OHSAS 18001.

Human hazardous

Not registered.

The information listed in this technical data sheet is based on our company's trials and experience. AVKO® JSC is not to be held responsible for poor installation or application in media combining complexity of factors whose total exceeds the general qualities of the product. Our technical and sales representatives will assist any client in need of a product with a peculiar application.