

Graphite packing type EGW and EGW/I

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Packing from yarn from exfoliated pure graphite (carbon content, above 98%), led on a cotton rope. Exfoliated graphite, due to its thermal and chemical resistance, self-spreadable properties and good thermal conductivity is perfect for high-temperature braided packing. Substituting inconel reinforcement with a cotton rope lowers mechanical parameters at high temperatures but, as a result, the packing fits more softly into the stuffing box and has a lower friction coefficient. The version with the symbol EGW/I is additionally enriched with a high quality corrosion inhibitor.

Application

Graphite packing is used in rotor pumps, working with high speed up to 25 m/s, mainly in the chemical and power industries:

- for chemically aggressive agent pumps in the power industry,
- sealing high-temperature pumps feeding boilers in the petrochemical industry.

Technical parameters

DESCRIPTION OF PARAMETER	VALUE
TYPE	EGW and EGW/I
Maximum operation temperature in °C	450 (in anaerobic conditions, up to 2500)
Minimum use temperature in °C	- 240
Scope of pH	0 – 14
Type of reinforcement	-
Density in g/cm ³	1,2 ± 15 %
Centrifugal pumps	p=40 bar v=25 m/s
Fittings	p=200 bar v=2 m/s
Colour	black
Dimensional range in mm	4 – 50

Special versions

EGW+R – with elastomer core

EWG/R – reinforced with carbon yarn on the corners

Commercial packaging

6-16 mm – roll at least 2 kg

17-50 mm – roll at least 5 kg

