



# Reinforced graphite sealing sheets GRiC with internal layer of tanged steel AISI 316L



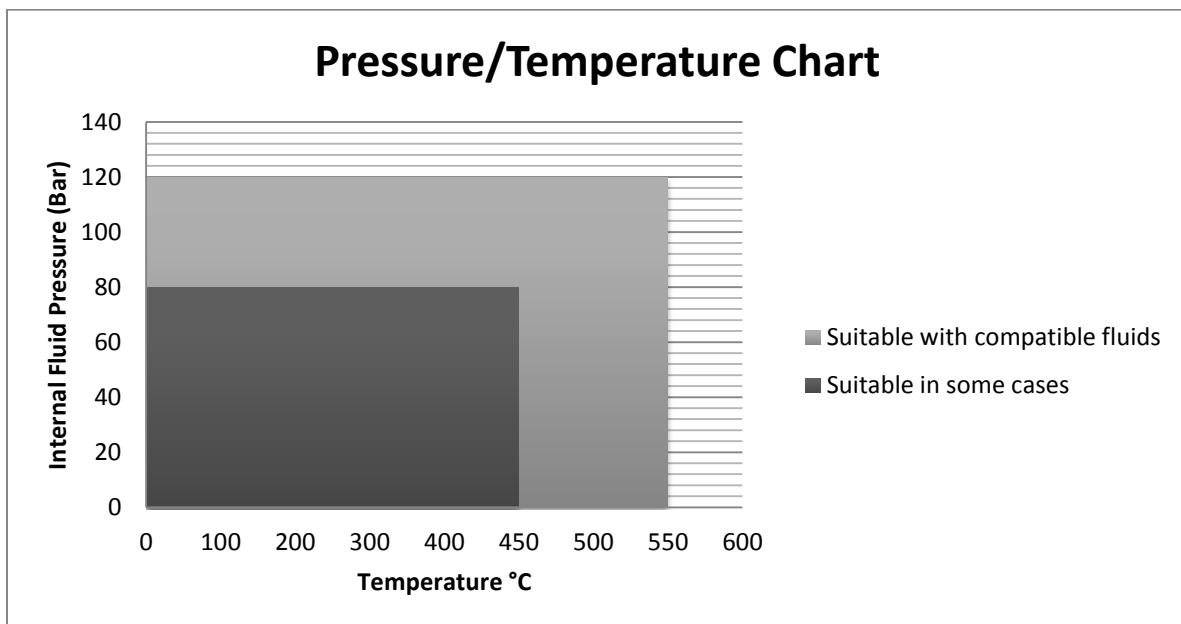


## Reinforced graphite sealing sheets

Reinforced graphite sheets are manufactured according to a patented technology. It is characterized by low level of sulfur and chlorine contents, density and thickness deviation less than 3 % and further processing with perforated steel sheets of AISI 316L grade.

Products are manufactured in form of sheets with a width from 620 to 1500 mm and thickness from 0,5 to 4 mm (1 steel layer) and from 4 to 6 mm (2 steel layers).

Application temperatures are from -250 to 450°C (up to 600°C in water steam).



Carbon content, weight %		> 99.5
Ash content, weight %	ASTM C561	< 0.5
Chlorine content, ppm	ASTM D512	< 30
Sulfure content, ppm	ASTM C816	< 200
Density (g/cc)	ASTM C559	1
Tensile strength, MPA	ASTM F152	4.5 MPA
Compressibility, %	ASTM F36A	40 -50
Recovery, %	ASTM F36A	8 -10



## Compatibilité Chimique GRIC

Y : Compatible

O : Fonction des conditions d'opération

N : Incompatible

Chemicals	GRIC	Chemicals	GRIC	Chemicals	GRIC
Acetic acid glacial	Y	Ethylene	Y	Perchloric acid	N
Acetone	Y	Ethylene chloride	Y	Petroleum	Y
Acetylene	Y	Fatty acids	Y	Phenol	Y
Acrylic acid	Y	Ferric chloride	O	Phosgene	Y
Acrylonitrile	Y	Fluorine	Y	Phosphoric acid (concentrated)	Y
Air	Y	Fluorosilicic acid	Y	Phosphoric acid (dilute)	Y
Alkaline lye	Y	Formaldehyde	Y	Phosphorous	O
Aluminum chloride	Y	Formic acid 0,85	Y	Phthalic anhydride	Y
Ammonia gas	Y	Formic acid 0,1	Y	Potassium hydroxide	Y
Ammonia	Y	Freons	Y	Potassium nitrate	Y
Amyl acetate	Y	Gas oil	Y	Potassium permanganate	Y
Amyl alcohol	Y	Gasoline	Y	Producer gas	Y
Aniline	Y	Heating oil	Y	Pyridine	Y
Aqua-regia	N	Hydraulic oil (glycol)	Y	Sea water	Y
Aviation fuel	Y	Hydraulic oil (mineral)	Y	Silicone oil	Y
Beer	Y	Hydraulic oil (phosphate)	Y	Soda ash	Y
Benzene	Y	Hydrazine	Y	Sodium bi-carbonate	Y
Benzoyl chloride	Y	Hydrocarbons (aromatic)	Y	Sodium carbonate	Y
Biphenyl	Y	Hydrocarbons aliphatic (sat.)	Y	Sodium cyanide	Y
Blast furnace gas	Y	Hydrocarbons aliphatic (unsat.)	Y	Sodium hydroxide -0,4	Y
Bleach (solution)	Y	Hydrochloric acid (37%)	Y	Sodium hydroxide (dilute)	Y
Boiler feed water	Y	Hydrofluoric acid	Y	Sodium hypochlorite	Y
Brine	Y	Hydrogen	Y	Sodium nitrate	Y
Bromine	O	Hydrogen chloride	Y	Starch	Y
Calcium chlorate	Y	Hydrogen fluoride	Y	Steam	Y
Capro-lactam	Y	Hydrogen peroxide	O	Steam condensate	Y
Carbolic Acid	Y	Hydrogen sulfide	Y	Styrene	Y
Carbon dioxide	Y	Isopropyl acetate	Y	Sulphur	Y
Carbon disulphide	Y	Isopropyl alcohol	Y	Sulphur dioxide	Y
Carbon monoxide	Y	Kerosene	Y	Sulphur trioxide	N
Carbon tetrachloride	Y	Lime	Y	Sulphuric acid (concentrated)	N
Chile saltpetre	Y	Lubrication oil	Y	Sulphuric acid (fuming)	N
Chlorine dry	Y	Machine oil	Y	Tar	Y
Chlorine wet	Y	Magnesium sulphate	Y	Turpentine	Y
Chlorinated hydrocarbons	Y	Malic acid	Y	Toluene	Y



Chloroacetic acid	Y	Methane	Y	Towns gas	Y
Chloro benzene	Y	Methyl acrylate	Y	Transformer oil	Y
Chromic acid	O	Methyl alcohol	Y	Tributyl phosphate	Y
Copper sulphate	Y	Methyl isobutyl ketone	Y	Triethanolamine	Y
Creosote	Y	Methyl methacrylate	Y	Urea	Y
Cresol	Y	Methylene chloride	Y	Vegetable Oil	Y
Crude oil	Y	Mineral oil	Y	Vinyl acetate	Y
Cyclohexanol	Y	Mobiltherm	Y	Vinyl chloride	Y
1,4-Dichlorobenzene	Y	Naphthalene	Y	Vinylidene chloride	Y
Diesel Oil	Y	Natural gas	Y	Water	Y
Dowtherm	Y	Nitric acid (concentrated)	O	Water condensate	Y
Dye Liquor	Y	Nitric acid (fuming)	N	Water distilled	Y
Ethyl acetate	Y	Nitrogen	Y	Whisky	Y
Ethyl alcohol	Y	Oleum	N	Wine	Y
Ethylene glycol	Y	Oxygen	O	White Spirit	Y
Ethylene oxide	Y	Paraffin	Y	Xylene	Y
Ethyl ether	Y	Pentachlorophenol	Y		