



Expanded Graphite Sheet

ICP 9000RR

Description:

High quality expanded graphite sheet, reinforced with a 0.1 mm thick tanged 316 stainless steel core. (98% purity)



PROPERTIES (Thickness 2 mm)	STANDARD	VALUE
Density	DIN 28090-2	1.1 g/cm ³
Recovery	ASTM F 36 A	15-20 %
Compressibility	ASTM F 36 A	40-50 %
Ash content	DIN 51 903	< 2 %
Leachable chloride	DIN 51 903	< 50 ppm
Gas permeability	DIN 3535	< 0.6 cm ³ /min
Leakage Rate	DIN 28090-2	0.08 mg/(s/m)

* Maximum operating conditions:

Air or oxidizing atmosphere	450 °C / 842 °F
Reducing or inert atmosphere	700 °C / 1292 °F
Minimum temperature	-200 °C / -328 °F
Pressure	200 bar / 2900 psi

Applications:

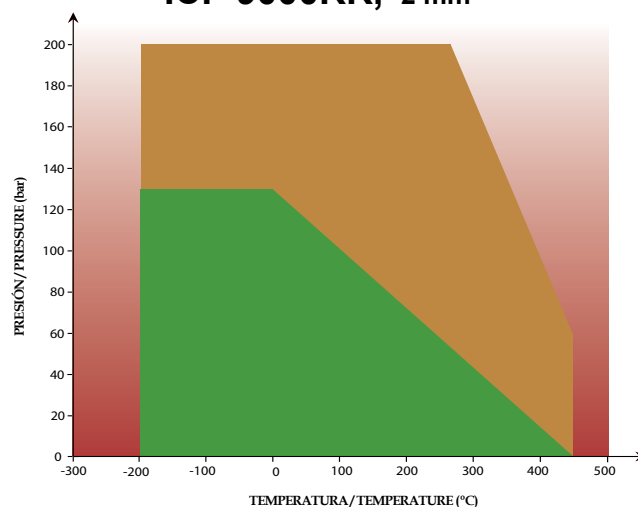
- Recommended for applications involving high sealing loads where gasket blow out resistance is required.
- The inclusion of tanged metal gives rise to a resistant sheet with excellent handling characteristics and mechanical strength.
- It is used in pipeline and shipbuilding applications.
- Its wide temperature range and excellent tensile strength retention makes it ideal for steam systems and petrochemical and manufacturing industries processes.

Available sizes:

- Thickness (mm): 1.0, 1.5, 2.0, 3.0
- Sheet size (mm): 1000 x 1000
1500 x 1500

Possibility of supplying different sheet sizes with metallic foils insertion under request (minimum quantities are required)

ICP 9000RR, 2 mm



- Satisfactory to use without technical supervision
- Satisfactory, but suggest your refer to CALVOSEALING for advice
- Limited application area. Technical advice is mandatory



Chemical Resistance

The recommendations made here are intended to be a guideline for the selection of the suitable gasket, been necessary to take into account other factors.

Acetaldehyde	●	Chlorometane	●	Hydrochloric Acid 36%	■	Potassium Chloride	●
Acetamide	●	Chromic Acid	■	Hydrofluoric 40%	■	Potassium Dichromate	▲
Acetic Acid	■	Citric Acid	●	Hydrogen	●	Potassium Hydroxide	●
Acetone	●	Copper Acetate	●	Isobutane	●	Potassium Nitrate	●
Acetylene	●	Copper Chloride	●	Isooctane	●	Potassium Permanganate	▲
Ádipic Acid	●	Creosote	●	Isopropyl Alcohol	●	Propane	●
Alum	●	Cresol	●	Kerosene	●	Pyridine	●
Aluminum Acetate	■	Cyclohexanol	●	Lactic Acid 50%	●	Salt	< 20 °C
Aluminum Chlorate	●	Cyclohexanone	●	Lead Acetate	●	Silicone Oil	●
Aluminum Chloride	●	Decaline	●	Lead Arsenate	●	Sodium Aluminate	●
Ammonia	●	Diesel Oil	●	Lubricating Oil	●	Sodium Bisulphite	●
Ammonium Bicarbonate	●	Dimethylformamide	●	Magnesium Chloride	■	Sodium Carbonate	●
Ammonium Chloride	●	Dowtherm A	●	Magnesium Sulphate	●	Sodium Chloride	●
Amyl Acetate	●	Ethane	●	Malic Acid	●	Sodium Cyanide	●
Aniline	●	Ethanol	●	Methane	●	Sodium Hydroxide	▲
Asphalt	●	Ethyl Acetate	●	Methanol	●	Sodium Sulphate	●
ASTM Oil N°1	●	Ethyl Chloride	●	Methyl Chloride	●	Sodium Sulphide	●
ASTM Oil N°3	●	Ethyl Ether	●	Methyl Ethyl Ketone	●	Steam	●
Barium Chloride	●	Ethylene	●	Methylene Chloride	■	Stearic Acid	●
Benzene	●	Ethylene Chloride	●	Naphta	●	Sulphur Dioxide	●
Benzoic Acid	●	Ethylene Glycol	●	Nitric Acid 20%	■	Sulphuric Acid 20%	■
Bleach Solutions	■	Ferric Chloride	■	Nitric Acid 40%	■	Sulphuric Acid 96%	■
Borax	●	Formaldehyde	●	Nitric Acid 90%	■	Tetrachloroethane	●
Butane	●	Formic Acid	●	Nitrogen	●	Tetraline	●
Butyl Acetate	●	Freon 12	●	Octane	●	Toluene	●
Butyl Alcohol (Butanol)	●	Freon 22	●	Oleic Acid	●	Transformer Oil	●
Calcium Chloride	●	Fuel Oil	●	Óleum	■	Tricloroethylene	●
Calcium Hydroxide	●	Gasoline	●	Oxalic Acid	●	Trietanolamine	●
Calcium Sulphate	●	Glucose	●	Oxygen	●	Urea	●
Carbon Dioxide	●	Glycerine	●	Pentane	▲	Vinyl Acetate	●
Carbon Disulphide	●	Heptane	●	Perchloroethylene	●	Water	●
Carbon Tetrachloride	●	Hydraulic Oil (Glycol)	●	Phenol	●	Xylene	●
Chlorine (Dry)	■	Hydraulic Oil (Mineral)	●	Phosphoric Acid	< 60%		
Chlorine (Wet)	■	Hydraulic Oil (Phosphate Ester)	●	Potassium Acetate	●		
Chloroform	●	Hydrochloric Acid 20%	■	Potassium Carbonate	●		
				Potassium Chlorate	▲		

● Recommended

▲ Recommended depends on operating conditions

■ Not recommended