Compressed Fibre Sheet

ICP 9700

Description:

Compressed sheet material based on a a high purity graphite, reinforced with aramid fibers and a high quality rubber.

Applications:

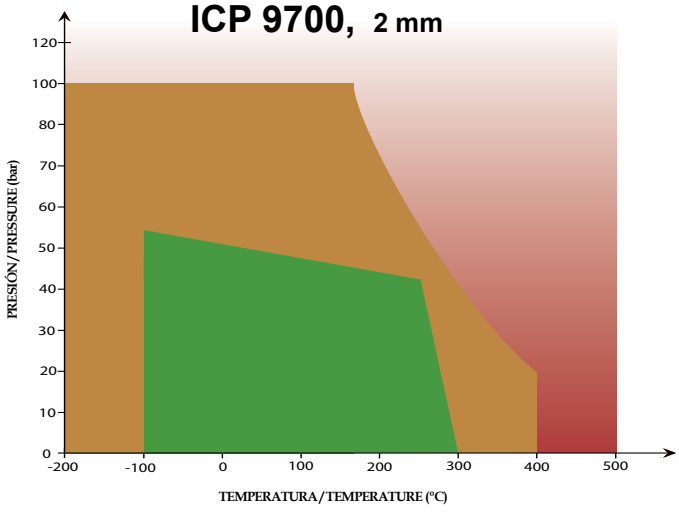
- Excellent heat resistance combining a good adaptability to the irregularities of the flange, providing better service to high temperatures.
- Designed to be used in pipeline systems, air supply, exhaust gas recirculation for motor engines, as well as all kind of applications where high pressures and temperatures are required.
- Material suitable to be used with oils, solvents, high temperature steam and gases.
  (High resistance to chemical attack)

Available sizes:

- Thickness (mm): 0.8, 1.0, 1.5, 2.0, 3.0, 4.0
- Sheet size (mm): 1500 x 1500

Possibility of supplying different sheet sizes under request (minimum quantities are required)

PROPERTIES (Thickness 2 mm)	STANDARD	VALUE
Density	DIN 28090-2	1.6 g/cm³
Recovery	ASTM F 36 A	≥ 50 %
Compressibility	ASTM F 36 A	7-12 %
Tensile Strength	ASTM F 152 DIN 52910	8 MPa -
Fluid Resistance	ASTM F 146	
ASTM OIL nº3 Mass increase Thickness increase	5h / 150ºC	≤ 10 % ≤ 8 %
ASTM FUEL B Mass increase Thickness increase	5h / 23ºC	≤ 10 % ≤ 7 %
ASTM Water / Coolant Mass increase Thickness increase	5h / 100ºC	≤ 10 % ≤ 7 %
Ignition Loss	DIN 52911	≤ 30 %
Gas permeability	DIN 3535	≤ 0.5 cm³/min
Residual Stress	DIN 52913 (50MPa) 16h / 300ºC 16h / 175ºC	 ~ 20 MPa ~ 30 MPa
*** Maximum operating conditions:**		
Minimum temperature		-100 ºC / -148 ºF
Peak temperature		400 ºC / 752 ºF
Continuous temperature		300 ºC / 572 ºF
Pressure		100 bar / 1450 psi



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 intented to be a guideline for the selection of the suitable gasket, been necesary to take into account other factors.

Acetaldehyde	▲
Acetamide	●
Acetic Acid	●
Acetone	▲
Acetylene	●
Ádipic Acid	●
Alum	●
Aluminum Acetate	●
Aluminum Chlorate	●
Aluminum Chloride	●
Ammonia	●
Ammonium Bicarbonate	●
Ammonium Chloride	●
Amyl Acetate	▲
Aniline	■
Asphalt	●
ASTM Oil Nº1	●
ASTM Oil Nº3	●
Barium Chloride	●
Benzene	●
Benzoic Acid	●
Bleach Solutions	●
Borax	●
Butane	●
Butyl Acetate	▲
Butyl Alcohol (Butanol)	●
Calcium Chloride	●
Calcium Hydroxide	●
Calcium Sulphate	●
Carbon Dioxide	●
Carbon Disulphide	▲
Carbon Tetrachloride	▲
Chlorine (Dry)	▲
Chlorine (Wet)	■
Chloroform	▲
Chlorometane	▲
Chromic Acid	▲
Citric Acid	●
Copper Acetate	●
Copper Chloride	-
Creosote	■
Cresol	▲
Cyclohexanol	●
Cyclohexanone	■
Decaline	●
Diesel Oil	●
Dimethylformamide	■
Dowtherm A	●
Ethane	●
Ethanol	●
Ethyl Acetate	▲
Ethyl Chloride	▲
Ethyl Ether	●
Ethylene	●
Ethylene Chloride	■
Ethylene Glycol	●
Ferric Chloride	●
Formaldehyde	▲
Formic Acid	●
Freon 12	●
Freon 22	▲
Fuel Oil	●
Gasoline	●
Glucose	●
Glycerine	●
Heptane	●
Hydraulic Oil (Glycol)	●
Hydraulic Oil (Mineral)	●
Hydraulic Oil (Phosphate Ester)	▲
Hydrochloric Acid 20%	▲
Hydrochloric Acid 36%	■
Hydrofluoric 40%	■
Hydrogen	●
Isobutane	●
Isooctane	●
Isopropyl Alcohol	●
Kerosene	●
Lactic Acid 50%	●
Lead Acetate	●
Lead Arsenate	●
Lubricating Oil	●
Magnesium Chloride	●
Magnesium Sulphate	●
Malic Acid	●
Methane	●
Methanol	●
Methyl Chloride	▲
Methyl Ethyl Ketone	▲
Methylene Chloride	■
Naphta	●
Nitric Acid 20%	■
Nitric Acid 40%	■
Nitric Acid 90%	■
Nitrogen	●
Octane	●
Oleic Acid	●
Óleum	■
Oxalic Acid	▲
Oxygen	●
Pentane	●
Perchloroethylene	▲
Phenol	■
Phosphoric Acid	●
Potassium Acetate	●
Potassium Carbonate	●
Potassium Chlorate	●
Potassium Chloride	●
Potassium Dichromate	●
Potassium Hydroxide	●
Potassium Nitrate	●
Potassium Permanganate	●
Propane	●
Pyridine	■
Salt	●
Silicone Oil	●
Sodium Aluminate	●
Sodium Bisulphite	●
Sodium Carbonate	●
Sodium Chloride	●
Sodium Cyanide	●
Sodium Hydroxide	●
Sodium Sulphate	●
Sodium Sulphide	●
Steam	▲
Stearic Acid	●
Sulphur Dioxide	▲
Sulphuric Acid 20%	■
Sulphuric Acid 96%	■
Tetrachloroethane	▲
Tetraline	●
Toluene	●
Transformer Oil	●
Triclchloroethylene	▲
Trietanolamine	●
Urea	●
Vinyl Acetate	●
Water	●
Xylene	■

● Recommended ▲ Recommended depends on operating conditions ■ Not recommended

CALVOSEALING S.L.
Global Business Group
Galileo, 8 - P. I. Can Estella - 08635 St. Esteve Sesrovires (Barcelona) SPAIN
Tel. +34 937 715 910 - Fax +34 937 715 319
info@calvosealing.com / **www.calvosealing.com**

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