



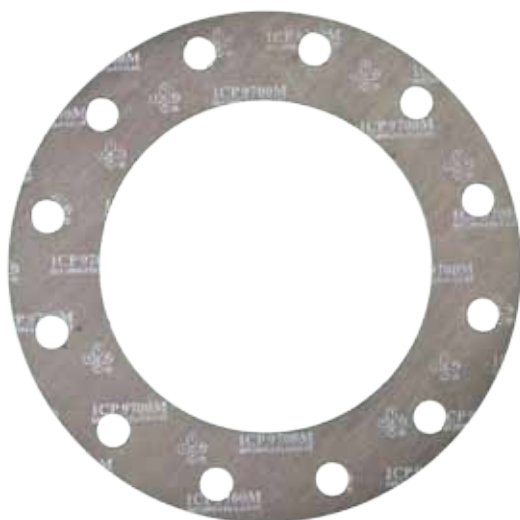
Compressed Fibre Sheet

ICP 9700M



Description:

Compressed sheet material based on a high purity graphite, reinforced with aramid fibers and a high quality rubber. Reinforced with an insertion of 0.05 mm thick 316 stainless steel wire mesh.



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)

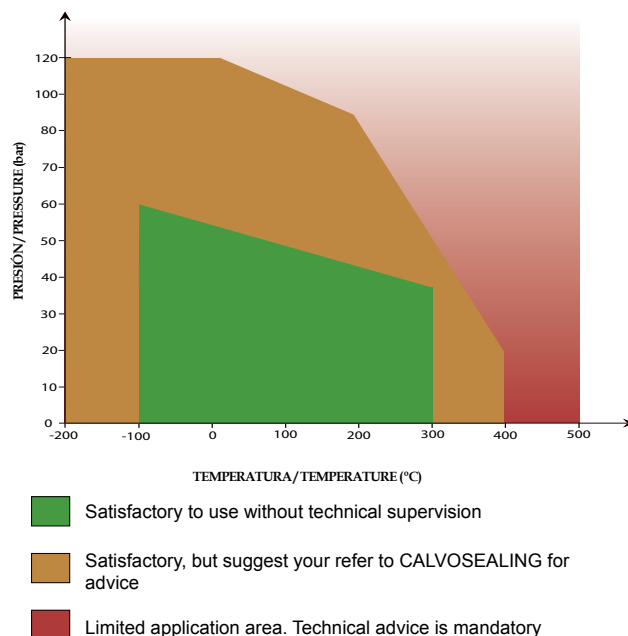
Available sizes:

- 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	1.9 g/cm ³
Recovery	ASTM F 36 A	30 %
Compressibility	ASTM F 36 A	15 %
Tensile Strength	ASTM F 152	15 MPa
Fluid Resistance	ASTM F 146	
ASTM OIL n°3 Mass increase Thickness increase	5h / 150°C	≤ 10 % ≤ 8 %
ASTM FUEL B Mass increase Thickness increase	5h / 23°C	15 % 5 %
ASTM Water / Coolant Mass increase Thickness increase	5h / 100°C	≤ 10 % ≤ 7 %
Ignition Loss	DIN 52911	≤ 30 %
Gas permeability	DIN 3535	≤ 0.5 cm ³ /min
Residual Stress	DIN 52913 (50MPa) 16h / 300°C 16h / 175°C	~ 26 MPa ~ 35 MPa
* Maximum operating conditions:		
Minimum temperature	-100 °C / -148 °F	
Peak temperature	400 °C / 752 °F	
Continuous temperature	300 °C / 572 °F	
Pressure	120 bar / 1740 psi	

ICP 9700M, 2 mm





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	●
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	■		
Chlorine (Wet)	■	Hydraulic Oil (Phosphate Ester)	▲	Potassium Acetate	●		
Chloroform	■	Hydrochloric Acid 20%	■	Potassium Carbonate	●		
				Potassium Chlorate	■		

● Recommended

▲ Recommended depends on operating conditions

■ Not recommended