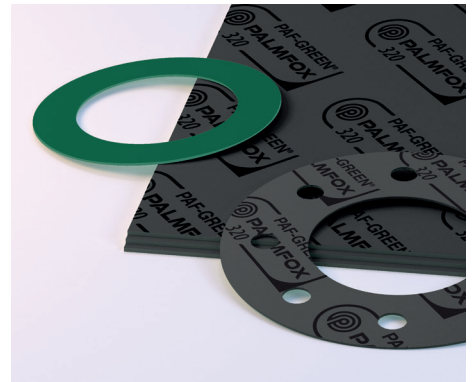


PAF-GREEN 320 PAF-GREEN 320 is a sheet gasket constructed out of compressed aramid fiber bonded with Styrene Butadiene Rubber (SBR). This extremely high-quality sealing system is produced via a hot calendar procedure and has undergone accurate quality control tests that are certified with ISO-9002 standards. **PAF-GREEN 320** is a very good general service sheet gasket offering credible sealing for low-pressure liquids and steam. Moreover, its augmented creep relaxation characteristic and swelling in various oils and fuels have made it appropriate for various types of fluids.



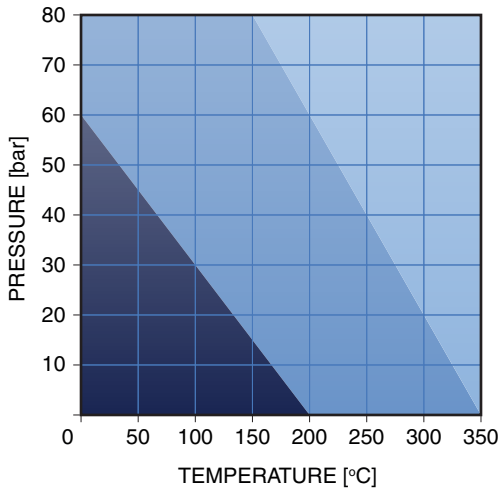
TECHNICAL DATA:

TYPICAL VALUES FOR A THICKNESS OF 2.0 MM				
Compressibility	ASTM F 36 J		%	15
Recovery	ASTM F 36 J		%	50
Stress relaxation	DIN 52913	50 MPa, 16 hours at 175°C	MPa	30
Tensile Strength	ASTM F 152		MPa (psi)	14 (2000)
Creep relaxation	ASTM F 38 B		%	16
Thickness increase after fluid immersion	ASTM F 146	Oil IRM 903: 5 hours at 150°C	%	30
	ASTM F 146	Fuel B: 5 hours at 23°C	%	20
Density			g/cm3	1.5
Thermal conductivity			W/mK	0.3
Temperature (Max.)			°C (°F)	+350 (+660)
Temperature (Min.)			°C (°F)	-70 (-90)
Continuous temperature (Max.)			°C (°F)	+200 (+390)
Pressure (Max.)			bar (psi)	80 (1100)
P×T (Max.)		For 1/32 and 1/16"	bar×°C	12500
		For 1/8"	bar×°C	9000
Gas leak rate		At internal pressure of 40 bar (580 psi) and gasket load equal to 32 MPa (4640 psi)	cc/min	0.03

APPLICATIONS:

Air, Water, Inert Gases, Saturated Steam, Neutral Solutions, Refrigerants, Mild Organic and Inorganic Acids, Diluted and Concentrated Alkalies

P-T DIAGRAM



■ In the darker shaded region (dark blue) the gasket is generally applicable for different chemical substances and is highly able to offer chemical compatibility.

■ In workplaces with the conditions this area, technical assessment of gasket material is recommended.

■ In the light blue region, installation of gasket without technical assessment should not be carried out.

DIMENSIONS

Size (mm):	1500*1000 mm 1500*1500 mm 1500*2000 mm 1500*3000 mm
Thickness (mm):	0.5, 0.8, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0
Tolerances (mm):	Up to 1.0 mm thickness: ± 0.1 mm Above 1.0 mm thickness: $\pm 10\%$ Length & Width: $\pm 5\%$
Surface finish:	Color: Black and Green

CHEMICAL RESISTANCE CHART

PAFGREEN 320		PAFGREEN 320	
Acetaldehyde	✗	Calcium Hypochlorite	✗
Acetamide	✗	Carbolic Acid, Phenol	✗
Acetic Acid (Crude, Glacial, Pure)	?	Carbon Dioxide, Dry	✓
Acetone	?	Wet	✓
Acetylene	?	Carbon Disulfide	✗
Air	✓	Carbon Monoxide	?
Aluminum Chloride	✓	Carbon Tetrachloride	✗
Aluminum Fluoride	✗	Carbonic Acid	✓
Aluminum Hydroxide (Solid)	✓	Castor Oil	✗
Aluminum Nitrate	?	Chlorine, Dry	i
Aluminum Sulfate	✓	Wet	✗
Alums	✓	Chloroform	✗
Ammonium Chloride	✓	Chromic Acid	✗
Ammonium Hydroxide	✓	Citric Acid	✓
Ammonium Phosphate, Monobasic	✓	Copper Sulfate	✓
Amyl Acetate	✗	Cresols, Cresylic Acid	✗
Aniline, Aniline Oil	✗	Cyclohexane	✗
Aniline Dyes	?	Cyclohexanone	✗
Asphalt	✗	Dibenzylether	✗
Barium Chloride	✓	Dibutyl Phthalate	✗
Benzene, Benzol	✗	Diesel Oil	?
Benzoic Acid	?	Dimethyl Ether	✗
Bleach (Sodium Hypochlorite)	i	Dimethylformamide	✗
Boiler Feed Water	✓	Diphyl DT	✗
Borax	✓	Ethane	?
Boric Acid	✓		✗
Brine (Sodium Chloride)	✓	Ethyl Acetate	✗
Butane	✗	Ethyl Alcohol10	✓
2-Butanone	✗	Ethyl Chloride	✗
Butyl Acetate	✗	Ethylene	?
Butyl Alcohol, Butanol	✓	Ethylene Glycol	✓
n-Butyl Amine	i	Ethylidine Chloride	✗
Butyric Acid	✓	Formaldehyde	?
Calcium Chloride	✓	Formic Acid	i
Calcium Hydroxide	✓	Fuel Oil	?

 Suitable
  Depends on operating conditions
  Unsuitable
  No data or insufficient evidence

CHEMICAL RESISTANCE CHART

PAFGREEN 320		PAFGREEN 320	
Glycerine, Glycerol	✓	Palmitic Acid	?
Heptane	✗	Paraffin	?
Hydraulic Oil, Mineral	?	Pentane	✗
Synthetic	✗	Perchloroethylene	✗
Hydrazine	?	Petroleum Oils, Crude	?
Hydrogen	✓	Refined	?
Isooctane	✗	Phenol	✗
Isopropyl Alcohol	✓	Phosphoric Acid, Crude	✗
Kerosene	✗	Pure, Less than 45%	✗
Lactic Acid, 150°F and below	✓	Pure, Above 45%, 150°F and below	✗
Above 150°F	i	Pure, Above 45%, Above 150°F	✗
Lime Saltpeter (Calcium Nitrates)	?	Phthalic Acid	i
Lindane	✗	Potash, Potassium Carbonate	✓
Linseed Oil	?	Potassium Acetate	✓
Lubricating Oils, Mineral or Petroleum Types	?	Potassium Cyanide	✓
Magnesium Sulfate	✓	Potassium Hydroxide	✗
Maleic Acid	?	Potassium Nitrate	?
Methane	✗	Potassium Permanganate	i
Methanol, Methyl Alcohol	✓	Propane	✗
Methyl Alcohol	✓	Pyridine	✗
Methyl Chloride	✗	Refrigerants134a	✓
Methylene Chloride	✗	Salt Water	✓
Mineral Oils	?	Saltpeter, Potassium Nitrate	?
Naphtha	✗	2,4-D Salts and Esters	✗
Nitric Acid, Less than 30%	✗	Soap Solutions	✓
Above 30%	✗	Soda Ash, Sodium Carbonate	✓
Crude	✗	Sodium Chloride	✓
Red Fuming	✗	Sodium Cyanide	✗
Nitrobenzene	✗	Sodium Hydroxide	✗
Nitrogen	✓	Sodium Silicate	?
Octane	✗	Sodium Sulfate	✓
Oleic Acid	i	Sodium Sulfide	✓
Oleum	✗	Stearic Acid	✓
Oxalic Acid	i	Sulfur Dioxide	✗
Oxygen, Gas	✗	Sulfuric Acid, 10%, 150°F and below	✗

 Suitable
  Depends on operating conditions
  Unsuitable
  No data or insufficient evidence

CHEMICAL RESISTANCE CHART

PAFGREEN 320		PAFGREEN 320	
10%, Above 150°F	✗	Trichloroethylene	✗
10-75%, 500°F and below	✗	Triethanolamine	?
75-98%, 150°F and below	✗	Turpentine	✗
75-98%, 150°F to 500°F	✗	Urea, 150°F and below	i
Sulfurous Acid	?	Above 150°F	i
Tannic Acid	✓	Varnish	✗
Tar	✗	Water, Acid Mine, with Oxidizing Salt	i
Tartaric Acid	✓	Tap	✓
Tetrachlorethane	✗	Xylene	✗
Toluene	✗	Zinc Chloride	✓
Transformer Oil (Mineral Type)	✗	Zinc Sulfate	✓

 Suitable
  Depends on operating conditions
  Unsuitable
  No data or insufficient evidence