

PAF-GREEN 350 is a premium quality sheet gasket constructed out of compressed aramid fibers bound with an EPDM binder. EPDM elastomer makes these gaskets extremely resistant to aging and ozone. Therefore, it should be mentioned that the gaskets having EPDM rubber are widely used in external applications, and because of the strong abrasion resistance of this binder against chemical substances and elevated temperatures, they have an impermeable surface which is appropriate for use with most alkalis, ketones and diluted acids.



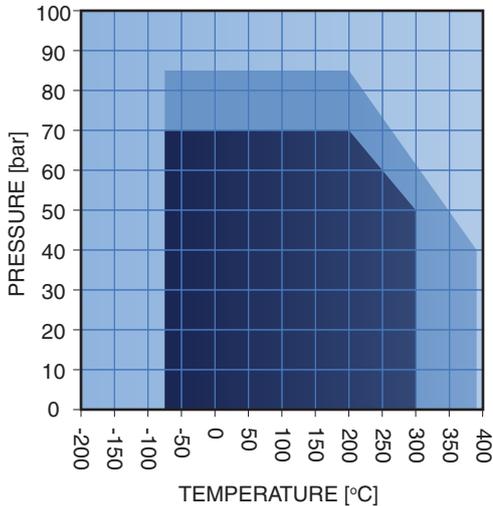
TECHNICAL DATA:

TYPICAL VALUES FOR A THICKNESS OF 2.0 MM				
Compressibility	ASTM F 36 J	-	%	12
Recovery	ASTM F 36 J	-	%	40
Tensile Strength	ASTM F 152	-	MPa (psi)	16(2320)
Thickness increase after fluid immersion	ASTM F 146	Oil IRM 903: 5 hours at 150°C	%	3
	ASTM F 146	Fuel B: 5 hours at 23°C	%	5
Thickness decrease	-	At 23°C	%	10
	-	At 300°C	%	18
Density	-	-	g/cm ³	1.6
Creep Relaxation	F38B	-	%	25
Thermal conductivity	-	-	W/mK	0.35
Temperature (Max.)	-	-	°C (°F)	+380(+715)
Temperature (Min.)	-	-	°C (°F)	-75(-100)
Continuous temperature (Max.)	-	-	°C (°F)	+210(+410)
Pressure (Max.)	-	-	bar (psi)	85 (1250)
P × T 0.8 mm (1/32") 1.6 mm (1/16") 3.2 mm (1/8")	-	-	bar×°C	12000
	-	-		12000
	-	-		8600
Gas leak rate	DIN 3535	At internal pressure of 580 psi (40 bar) and gasket load equal to 4640 psi (32 MPa)	ml/min	0.04

APPLICATIONS:

Mild chemicals, Saturated steam, Water.

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):	1000*1500 mm 1500*1500 mm 2000*1500 mm 3000*1500 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: Green

CHEMICAL RESISTANCE CHART

PAFGREEN 350		PAFGREEN 350	
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)	✗	Dimethylformamide	✗
Boiler Feed Water	✓	Diphyl DT	✗
Borax	✓	Ethane	✗
Boric Acid	✓	Ethyl Acetate	✗
Brine (Sodium Chloride)	✓	Ethyl Alcohol10	✓
Butane	✗	Ethyl Chloride	✗
2-Butanone	✗	Ethylene	✗
Butyl Acetate	?	Ethylene Glycol	✓
Butyl Alcohol, Butanol	✓	Ethylidine Chloride	✗
n-Butyl Amine	?	Formaldehyde	✓
Butyric Acid	✓	Formic Acid	?
Calcium Chloride	✓	Fuel Oil	✗
Calcium Hydroxide	✓	Glycerine, Glycerol	✓



Suitable



Depends on operating conditions



Unsuitable



No data or insufficient evidence

CHEMICAL RESISTANCE CHART

PAFGREEN 350		PAFGREEN 350	
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	i
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	?
Methanol, Methyl Alcohol	✓	Propane	✗
Methyl Alcohol	✓	Pyridine	?
Methyl Chloride	✗	Refrigerants 134a	✓
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	✗	Sodium Sulfide	✓
Oleum	✗	Stearic Acid	✓
Oxalic Acid	?	Sulfur Dioxide	?
Oxygen, Gas	✗	Sulfuric Acid, 10%, 150°F and below	✗
Palmitic Acid	✓	10%, Above 150°F	✗

 Suitable
  Depends on operating conditions
  Unsuitable
  No data or insufficient evidence

CHEMICAL RESISTANCE CHART

PAFGREEN 350		PAFGREEN 350	
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	✓
Sulfurous Acid	i	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	✓
Trichloroethylene	✗		

 Suitable
  Depends on operating conditions
  Unsuitable
  No data or insufficient evidence