Compressed Sythetic Fibre Jointing Sheets

General data

Standard sheet size:
1,5 x 1,5 m
1,5 x 1,0 m
Another sheet sizes are available upon the customer request.

Size tolerances ± 2 %

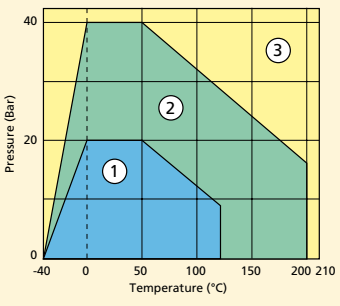
Standard thickness:
0,4; 0,5; 0,8; 1,0; 1,5; 2,0; 3,0; 4,0; 5,0 mm
with wire insertion
0,8; 1,0; 1,5; 2,0; 3,0; 4,0; 5,0 mm

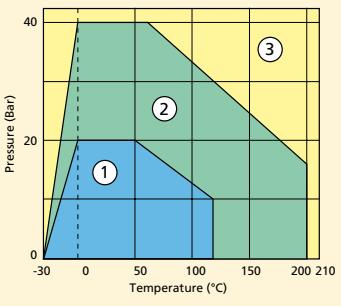
Thickness tolerances:
0,4 – 0,8 ± 0,1 mm
1,0 – 5,0 ± 10 %

Surface:
All jointings are produced with an antistick surface on one side.

			TEMAFAST ECONOMY	TEMAFAST
Colour			Yellow	Red
Wire insertion			No	No
Description			The economic version of jointing manufactured from mixture of organic fibres with mixture NBR/ SBR rubber binder.	Basic jointing manufactured from organic fibres with NBR binder.
Range usage			This grade has wide area usage in all sorts of industries at lower parameters.	This grade has wide industrial usage at lower medium temperature and pressure parameters.
Certification			Germanischer Lloyd, TZW, PZH, GOST	Germanischer Lloyd, TZW, PZH, GOST
Technical data				
Marking according	DIN 28 091-2		FA-Z-12-0	FA-MZ-1-0
Marking according	ASTM F 104		F712 120 M4	F712 120 M4
Max. temperature*	peak	°C	210	210
	continual	°C	140	140
Max. pressure*		Bar	40	40
Typical parameters of 2 mm thickness jointing				
Density	DIN 28090-2	g/cm³	1,7-2,1	1,6-1,9
Compressibility	ASTM F 36	%	12	18
Recovery	ASTM F 36	%	50	50
Residual stress (175°C)	DIN 52 913	≈ MPa	20	20
Gas leakage $\lambda_{2,0}$	DIN 3535-6/99	≈ mg/(m*s)	0,1	0,1
Fluid resistance - thickness increase				
Oil IRM 903 (5h/150°C)	ASTM F 146	%	15	5
ASTM Fuel B (5h/23°C)	ASTM F 146	%	15	10

1 – suitable area (even for steam application)
2 – suitable extended area, technical advice is recommended
3 – for this area technical consultation is mandatory





*Maximum temperature and pressure values can not be used simultaneously.

General data

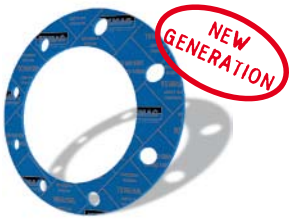
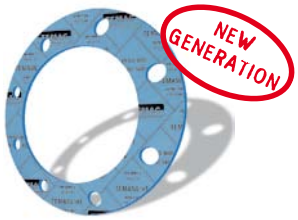
Standard sheet size:
1,5 x 1,5 m
1,5 x 1,0 m
Another sheet sizes are available upon the customer request.

Size tolerances ± 2 %

Standard thickness:
0,4; 0,5; 0,8; 1,0; 1,5; 2,0; 3,0; 4,0; 5,0 mm
with wire insertion
0,8; 1,0; 1,5; 2,0; 3,0; 4,0; 5,0 mm

Thickness tolerances:
0,4– 0,8 ± 0,1 mm
1,0 – 5,0 ± 10 %

Surface:
All jointings are produced with an antistick surface on one side.

	TEMASIL - NEW GENERATION	TEMASIL HT
		
Colour	Blue	Light blue
Wire insertion	Yes	Yes
Description	The new generation of high quality material based on a blend of special temperature resisting fibres and other agents with NBR. It is easy to cut due its flexibility and smooth surface.	Superior performance copressed jointing material incorporating a blend of special heat resistant aramid fiber and high quality nitrile rubber binder. Completely fresh ecological type of sheets suitable for elevated temperature and steam applications, exhibiting excellent gas sealability.
Range usage	This general purpose jointing sheet is regardful of environment and can be used in the wide range of industries such as petrochemical, chemical, food and oil as well as engineering area.	Due to its composition of high qualtiy raw materials, this particular grade is used in petrochemical, chemical and food industries, wide area of machinery. It is suitable for oils, fuels, lubricants, alcohol, gases, hydrocarbons, water, cooling liquids, and most diluted acids and alkalies.
Certification	Germanischer Lloyd, DVGW, BAM, TZW / W270, PZH, GOST	Germanischer Lloyd, DVGW, BAM, GOST

Technical data

Marking according	DIN 28 091-2		FA-MA-1-0 (ST)	FA-M-1-0 (ST)
Marking according	ASTM F 104		F712 111 M5 (M7)	F712 111 M6 (M7)
Max. temperature*	peak	°C	400	450
	continual	°C	250 (steam 200)	330 (steam 250)
Max. pressure*		Bar	100	120

Typical parameters of 2 mm thickness jointing

Density	DIN 28090-2	g/cm³	1,7-2,0	1,7-2,0
Compressibility	ASTM F 36	%	10	10
Recovery	ASTM F 36	%	50	55
Residual stress (175°C)	DIN 52 913	≈ MPa	30	32
Gas leakage $\lambda_{2,0}$	DIN 3535-6/99	≈ mg/(m*s)	0,06	0,04
Fluid resistance - thickness increase				
Oil IRM 903 (5h/150°C)	ASTM F 146	%	3	3
ASTM Fuel B (5h/23°C)	ASTM F 146	%	5	5

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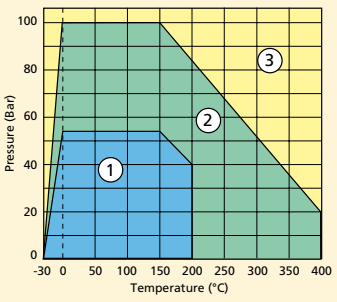
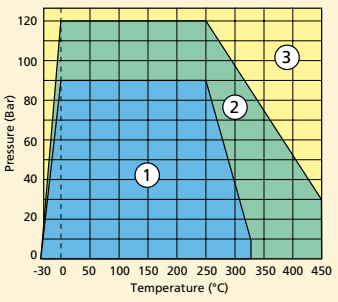
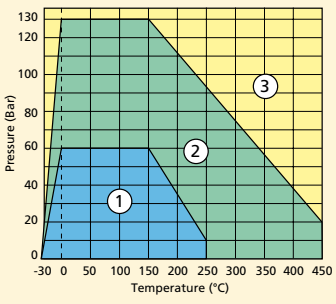
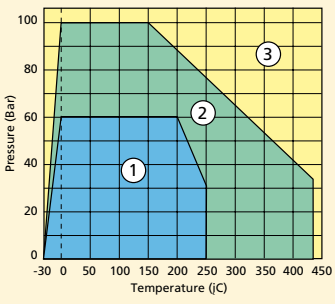
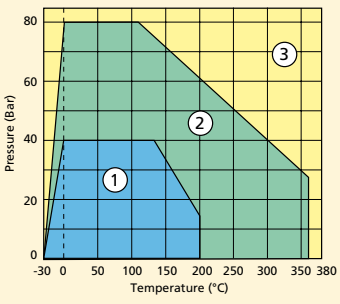
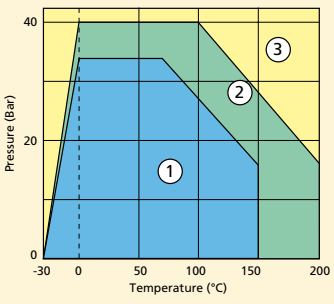




*Maximum temperature and pressure values can not be used simultaneously.

TEMAPLUS	TEMACARB	GRAFTEM ECONOMY	TEMACID
			
Green	Black	Black	Grey
Yes	Yes	Yes	No
Superior performance jointing material incorporating a blend of special head resistant aramid fibres with a high quality NBR binder.	Premium quality carbon fibre reinforced material with a high quality nitrile rubber binder.	Economic non-asbestos fasketing sheet which combines graphite reinforced with aramid fibres and a low content of rubber binder system.	Premium quality acid jointing gasket material based on a blend of fibres with a special binder system.
This gasketing sheet with excellent mechanical properties (high resistance to creep under elevated temperature and pressure) is suitable for oils, fuels, lubricants, alcohol, gases, hydrocarbons, cooling liquids and most diluted acids and alkalis.	A universal grade especially suitable for use under alkaline conditions, with good steam resistance. It also possesses excellent creep resistance and is suitable for applications with oils, fuels, alkalis medium and refrigerants.	This jointing sheet with excellent mechanical properties is suitable for many applications including fuel, oil, coolants, hydrocarbons, gas and steam.	A chemical grade material suitable for most acids alkalis, oils, fuels and refrigerants.
Germanischer Lloyd UDT Poland, GOST	GOST	GOST	GOST
FA-AM-1-0 (ST)	FA-CA-1-0 (ST)	FA-AZ-1-0 (ST)	FA-A-4Z-0
F712 111 M6 (M7)	F712 110 M6 (M7)	F712 110 M5 (M7)	F712 122 M5
450	450	360	200
250 (steam 200)	250 (steam 250)	200 (steam 180)	150 (steam 130)
130	100	80	40
1,6-1,9	1,6-1,9	1,8-2,1	1,7-2,1
10	9	5-15	10
50	50	50	50
32	32	30	20
0,03	0,05	0,1	0,1
3	3	5	16% Sulphuric acid (96%)
5	5	10	15% Hydrochloride acid (36%) 7% Nitric acid (50%)
			

Chemical resistance table

	Temafast Economy	Temafast	Temasil New Generation	Temasil HT	Temaplus	Temacarb	Graftem Economy	Temacid
Acetic acid 100%	C	C	A	A	A	A	A	A
Acetone	B	B	B	B	B	B	B	A
Acetylene	A	A	A	A	A	A	A	A
Air	A	A	A	A	A	A	A	A
Aluminium chloride	A	A	A	A	A	A	A	A
Ammonia	B	B	A	A	A	A	A	A
Ammonium hydrogenphospate	B	B	A	A	A	A	A	A
Barium chloride	A	A	A	A	A	A	A	A
Benzene	B	B	A	A	A	A	A	A
Boric acid	B	B	A	A	A	A	A	A
Calcium hydroxide	B	B	A	A	A	A	A	A
Carbon dioxide	A	A	A	A	A	A	A	A
Copper sulphate	A	A	A	A	A	A	A	A
Crude oil	C	C	A	A	A	A	A	A
Cyclohexanol	B	B	A	A	A	A	A	A
Cyklohexanon	C	C	B	B	B	B	B	B
Di-butyl phtalate	A	A	A	A	A	A	A	A
Ethyl ether	B	A	A	A	A	A	A	A
Ethylen	A	A	A	A	A	A	A	A
Ethylene glycol	B	B	A	A	A	A	A	A
Formic acid 10%	B	B	A	A	A	A	A	A
Glycerine	A	A	A	A	A	A	A	A
Hydraulic oil(mineral)	B	B	A	A	A	A	A	A
Hydrogen chloride dry	B	B	A	A	A	A	A	A
Hydrochlorid acid 20%	C	C	B	B	A	A	B	A
Chlorine dry	B	B	A	A	A	A	A	A
Chloroform	C	C	B	B	B	B	B	B
Iso-Octane	B	B	A	A	A	A	A	A
Kerosene	B	B	A	A	A	A	A	A
Methylene chloride	C	C	C	C	C	C	C	C
Natural gas	A	A	A	A	A	A	A	A
Nitric acid 20%	C	C	C	C	C	B	C	A
Nitrogen	A	A	A	A	A	A	A	A
Petrol	B	B	A	A	A	A	A	A
Petroleum	B	B	A	A	A	A	A	A
Phenol	C	C	C	C	C	C	C	B
Potable water	A	A	A	A	A	A	A	A
Potassium cyanide	B	B	A	A	A	A	A	A
Potassium iodide	A	A	A	A	A	A	A	A
Saturated steam	B	B	A	A	A	A	A	B
Silicon oil	B	B	A	A	A	A	A	A
Sodium carbonate	A	A	A	A	A	A	A	A
Sodium hydrogen carbonate	B	B	A	A	A	A	A	A
Sodium hydrogen sulphite	B	B	A	A	A	A	A	A
Sodium hydroxide	B	B	B	B	B	B	B	A
Sodium chloride	A	A	A	A	A	A	A	A
Sodium sulphate	A	A	A	A	A	A	A	A
Sugar	A	A	A	A	A	A	A	A
Sulphuric acid 65%	C	C	C	C	C	C	C	A
Tartaric acid	A	A	A	A	A	A	A	A
Tetrachlormethane	C	C	B	B	B	B	B	B
Toluene	C	C	A	A	A	A	A	A
Transformer oil	B	B	A	A	A	A	A	A
Turpentine	A	A	A	A	A	A	A	A
Xylene	B	B	A	A	A	A	A	A

A-recomended
B-suitability depends on conditions
C-not suitable

If another medium is applied please contact our technical department.

Contact

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