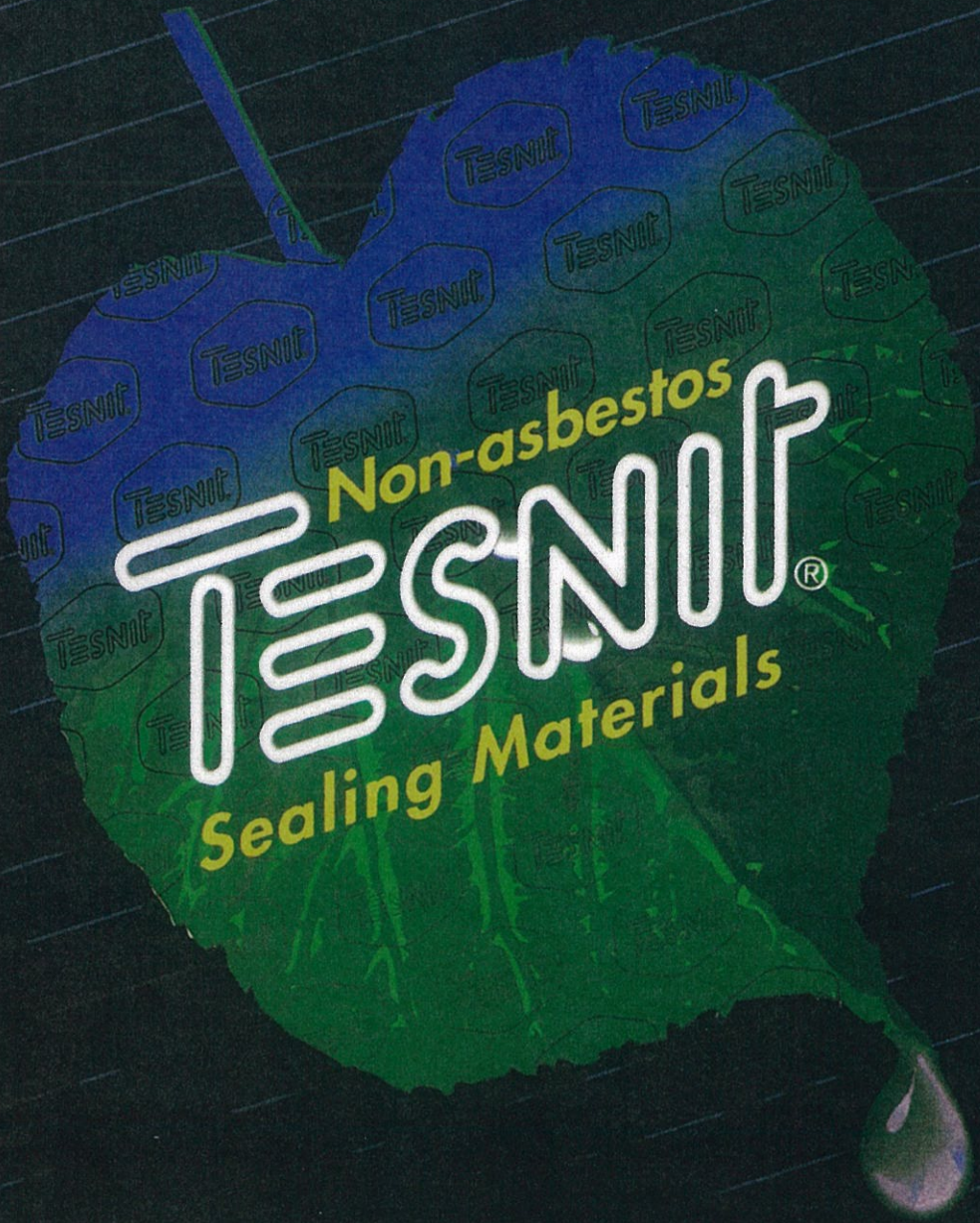
With Top Quality on All Continents

DONIT TESNITI



NON-ASBESTOS SEALING MATERIALS

With Top Quality... ...on All Continents

TESNIT®

General data:

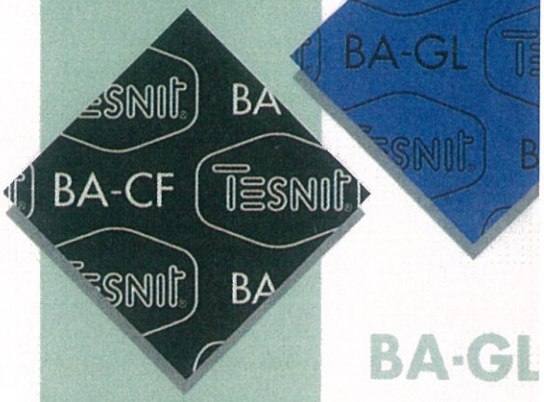
Standard sheet sizes:
1000 x 1500 mm
1500 x 1500 mm
1000 x 1400 mm (BAR-300)
500 x 1400 mm (BAR-302)

Thicknesses:
0.5 mm, (except BA-R: 0.6 mm),
0.8 mm, 1.0 mm, 1.5 mm, 2.0 mm,
3.0 mm (other thicknesses on request)
0.7 mm, 1.2 mm, 1.4 mm (BAR-300)
1.4 mm, 1.6 mm (BAR-302)

Tolerances:
Thickness: < 1,0 mm = ± 0,1 mm
≥1,0 mm = ±10%
Length: ± 50 mm
Width: ± 50 mm

Surface treatment:
Treatment with graphite, PTFE and antistick coating is available on request.

All information data quoted are based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in a gasket joint. The data may not, therefore, be used to support any warranty claims. Whenever there is any doubt, our staff will be pleased to assist you in finding the optimum sealing solutions.

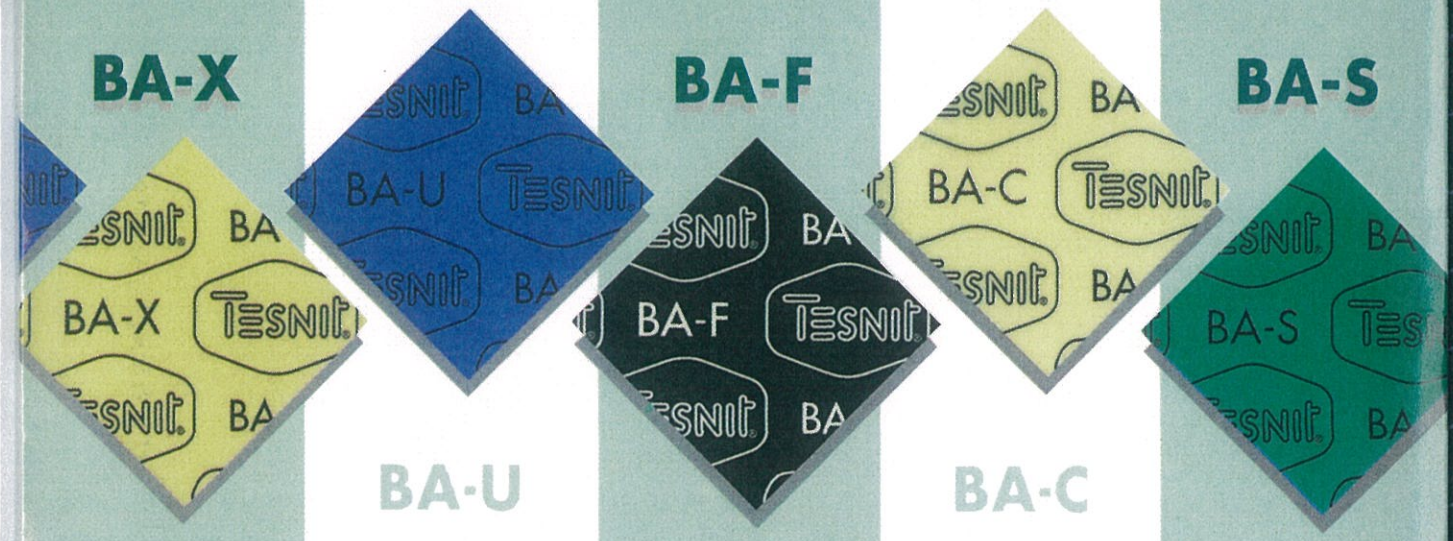


	BA-CF	BA-GL
Basis	*Carbon fibres, NBR*	• *Glass fibres, NBR*
General properties and application	• *Material with excellent resistance to steam and strong alkaline media* • *Chemical and petrochemical industry*	• *Excellent torque retention, good stee and thermal resista* • *Suitable for use wit water, oils, gases, f organic and inorga acids*

Technical data

Typical values for a thickness of 2 mm

			BA-CF	BS 7531 Grade X
Compressibility	ASTM F 36/J	%	9	8
Recovery	ASTM F 36/J	%	55	50
Tensile strength	DIN 52910	N/mm²	8	8
Stress resistance	DIN 52913			
•16h, 300°C, 50 N/mm²		N/mm²	25	30
•16h, 175°C, 50 N/mm²		N/mm²	30	35
Gas permeability	DIN 3535/6	ml/min	0.5	0.8
Thickness increase	ASTM F 146			
•ASTM Oil No. 3, 5h, 150°C		%	7	8
•ASTM Fuel B, 5h, 23°C		%		8
•HNO_3 40%, 18h, 23°C		%		
•H_2SO_4 65 %, 48h, 23°C		%		
***Max® operating conditions**				
Peak temperature		°C/°F	500/930	450/840
Continuous temperature		°C/°F	300/572	350/662
-with steam		°C/°F	280/536	250/482
Pressure		bar/psi	130/1885	100/1450



BA-X	BA-U	BA-F	BA-C	BA-S
• Aramide fibres, NBR	• Aramide fibres, NBR	• Synthetic fibres, graphite, NBR	• Aramide fibres, CSM	• Aramide fibres, NBR
• Material with excellent mechanical properties and very good chemical and thermal resistance • General use	• Good chemical, mechanical and thermal properties • General use	• Very good thermal properties and chemical resistance to steam, oils, gases, fuels, alkaline media and weak acids • Chemical and petrochemical industry	• Different aggressive media • Very good chemical resistance to acids and alkaline media	• Good chemical and mechanical properties • Resistance to oils, fuels and cooling liquids • Automotive industry
BAM (for use with oxygen)	DIN-DVGW 87.01e609 (for gas installations) WRC, KTW (for drinking water) BAM (for use with oxygen) HTB (for high thermal loading) SVGW (for gas installations) BS 7531 Grade Y			
8	8	7	8	8
50	55	50	45	50
15	11	9	10	11
25	22	25		20
33	28	30	25	28
0.5	0.5	0.8	0.6	0.5
5	5	5		5
5	5	8		5
			10	
			8	
400/752	400/750	450/840	200/400	400/750
280/536	250/482	300/570	150/302	250/482
200/392	200/392	250/482		200/392
140/2030	100/1450	100/1450	60/870	100/1450

DONIT TESNIT

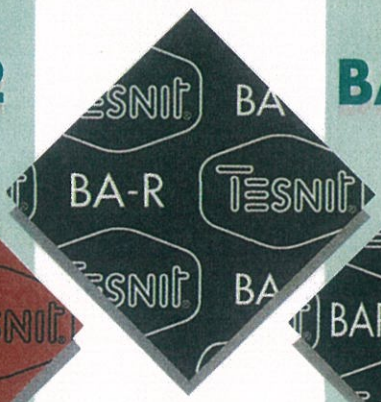
Non-asbestos Jointing Materials

BA-202

- *Organic fibres, NBR*

- *Good resistance to water, gases, oils, fuels*
- *Material is very suitable for sealing applications at lower loadings*

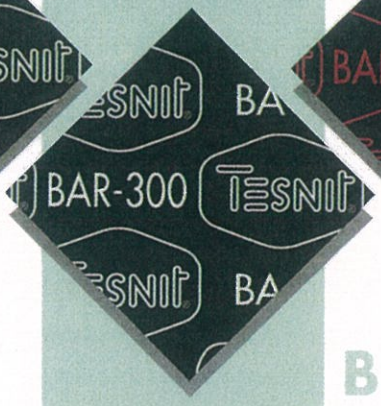
BA-R



- *Aramide fibres, NBR/SBR, wire-reinforced*

- *Great strength because of wire reinforcement*
- *Very suitable for dynamic loading*
- *Automotive and petrochemical industry, shipyards*

BAR-300



- *Inorganic fibres, NBR, special reinforcement*

- *Material with excellent dynamic and thermal resistance*
- *Automotive and petrochemical industry, shipyards*

BAR-302

- *Inorganic fibres, NBR, special reinforcement*

- *Material with extreme dynamic and thermal resistance*
- *Automotive and petrochemical industry, shipyards*

BA-202	BA-R	BAR-300	BAR-302
8	7	8	7
50	50	40	45
7	15		
20	30	40	45
0.8	35		
10	8	5	5
10			
180/356	400/752	550/102	650/1202
140/284	350/662	450/842	600/1112
120/248	230/446		
40/580	140/2030	500/7251	500/7251

TÜV CERT ISO 9001

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Chemical Resistance Chart

The recommendations made here are intended to be a guideline for the selection of the suitable gasket quality. Because the function and durability of the products depend upon a number of factors, the data may not be used to support any warranty claims.

- Recommended
- Recommendation depends on operating conditions
- Not recommended