



Your Original Manufacturer & Authorized Provider of Parts & Serices for all 1984-2012 Electrolux



BAR-302

BA-203

BA-50

BA-55

BA-U

BA-GL

BA-CF

BA-Auto

BA-N

BA-C

BA-R

BAR-300





GASKET MATERIAL FOR LOWER LOADINGS

TESNIT® BA-202 is composed from organic fibers and NBR rubber. Chemical resistance against water, gases, oils and fuels is very good. Material is very suitable for the sealing applications at lower loadings.

PROPERTIES AND APPLICATIONS

Gasket material with good resistance to water, gases, fuels and oils at lower loadings.

| Composition | Organic fibers, NBR |
|-------------|----------------------|
| Approvals | TARC/MRPRA, DVGW KTW |

SURFACE TREATMENT

Treatment with graphite, PTFE and anti-stick coating is available on request.

DIMENSIONS OF STANDARD SHEET

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

TECHNICAL DATA Typical values for a thickness of 2 mm

| Compressibility | ASTM F 36J | % | 8 |
|---------------------------|------------|----------|---------|
| Recovery | ASTM F 36J | % | 50 |
| Tensile strength | DIN 52910 | MPa | 7 |
| Stress resistance | DIN 52913 | | |
| 16h, 175°C, 50MPa | | MPa | 20 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.08 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 10 |
| ASTM Fuel B, 5h, 23°C | | % | 10 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 180/356 |
| Continuous temperature | | °C/°F | 140/284 |
| - with steam | | °C/°F | 120/248 |
| Pressure | | bar/psi | 40/580 |

DONIT | Gasket Sheets **TESNIT**[®] Standard Line

GASKET MATERIAL FOR MEDIUM LOADINGS

TESNIT® BA-203 is a special gasket material based on aramid fibers and NBR rubber. It has good resistance to water, gases, oils and fuels. TESNIT® BA-203 covers the medium application loadings.

PROPERTIES AND APPLICATIONS

Gasket material with good resistance to water, gases, oils and fuels at medium loadings.

| Composition | Aramid fibers, NBR |
|-------------|---------------------|
| Approvals | Germanischer Lloyd, |

SURFACE TREATMENT

| reatment with graphite, PTFE | |
|-------------------------------------|--|
| and anti-stick coating is available | |
| on request. | |

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

| TECHNICAL DATA Typical values | s for a thickness of 2 mm | | |
|--------------------------------------|---------------------------|----------|---------|
| Compressibility | ASTM F 36J | % | 9 |
| Recovery | ASTM F 36J | % | 55 |
| Tensile strength | DIN 52910 | MPa | 8 |
| Stress resistance | DIN 52913 | | |
| 16h, 175°C, 50MPa | | MPa | 25 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.08 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 10 |
| ASTM Fuel B, 5h, 23°C | | % | 10 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 250/482 |
| Continuous temperature | | °C/°F | 200/392 |
| - with steam | | °C/°F | 160/320 |
| Pressure | | bar/psi | 50/725 |



BA-202

EN 1514-1, Type IBC, PN 40, DIN 28091-2 / 3.8, 2.0 mm 50 40 DRESSURE [bar]

50

100

TEMPERATURE [°C]

150

200

P-T DIAGRAM

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0

- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).



DVGW KTW. DVGW W270

DIMENSIONS OF STANDARD SHEET

| ľ | J | |
|---|---|--|
| | | |
| | | |

General suitability using common installation practices under the condition of chemical compatibility.

Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.

Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).





GASKET MATERIAL WITH GOOD MECHANICAL AND CHEMICAL PROPERTIES

TESNIT® BA-50 is a special gasket material based on aramid fibers and NBR rubber. Gasket material TESNIT® BA-50 has excellent chemical resistance and good dynamic resistance. Material has a wide general application. It is used in the gas, food and chemical industries.

PROPERTIES AND APPLICATIONS

Gasket material with good resistance to water, gases, fuels and oils at lower loadings.

| Composition | Aramid fibers, NBR |
|-------------|--|
| Approvals | DIN-DVGW DIN 3535-6, DVGW KTW, DVGW W270, Germanischer Lloyd, TA-Luft (VDI 2440) , TARC/MRPRA, WRAS/WQc, |

SURFACE TREATMENT

DIMENSIONS OF STANDARD SHEET

Treatment with graphite, PTFE and anti-stick coating is available on request.

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

TECHNICAL DATA Typical values for a thickness of 2 mm

| Compressibility | ASTM F 36J | % | 8 |
|---------------------------|------------|----------|---------|
| Recovery | ASTM F 36J | % | 45 |
| Tensile strength | DIN 52910 | МРа | 9 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | МРа | 20 |
| 16h, 175°C, 50MPa | | МРа | 25 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.08 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 10 |
| ASTM Fuel B, 5h, 23°C | | % | 10 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 280/536 |
| Continuous temperature | | °C/°F | 220/428 |
| - with steam | | °C/°F | 180/356 |
| Pressure | | bar/psi | 80/1160 |

P-T DIAGRAM

EN 1514-1, Type IBC, PN 40, DIN 28091-2 / 3.8, 2.0 mm



- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).



GASKET MATERIAL WITH EXCELLENT THERMAL PROPERTIES AND GOOD STEAM RESISTANCE

TESNIT® BA-55 is a gasket material based on NBR rubber and special sythetic fibers, which makes it very suitable for the high thermal loadings. Material has an excellent thermal properties and very good steam resistance. TESNIT® BA-55 is a very suitable and economical solution for a wide range of applications including those with high temperature requirements.

PROPERTIES AND APPLICATIONS

Gasket material is excellent and economical solution for a wide range of applications.

| Composition | Synthetic fibers, NBR |
|-------------|-----------------------|
| Approvals | BAM (Oxygen), DIN-D |
| | DVGW W270, DVGW V |

SURFACE TREATMENT

Treatment with graphite, PTFE and anti-stick coating is available on request.

DIMENSIONS OF STANDARD SHEET

| | Sheet size (mm): 1000 > |
|---|-------------------------|
| е | Thickness (mm): 0.5 |
| | Other dimensions and |

| TECHNICAL DATA Typical value | es for a thickness of 2 n | nm | |
|------------------------------|---------------------------|----------|----------|
| Compressibility | ASTM F 36J | % | 7.5 |
| Recovery | ASTM F 36J | % | 55 |
| Tensile strength | DIN 52910 | MPa | 7 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | MPa | 30 |
| 16h, 175°C, 50MPa | | MPa | 35 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.05 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 7 |
| ASTM Fuel B, 5h, 23°C | | % | 7 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 350/662 |
| Continuous temperature | | °C/°F | 270/518 |
| - with steam | | °C/°F | 230/446 |
| Pressure | | bar/psi | 100/1450 |



BA-50

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VGW DIN 3535-6, DVGW KTW, P 401, DVGW VP 401 (5 bar)

x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 0.8 | 1.0 | 1.5 | 2.0 | 3.0 thicknesses on request.

General suitability using common installation practices under the condition of chemical compatibility.

Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.

Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).

BA-55





GASKET MATERIAL WITH GOOD MECHANICAL. CHEMICAL AND THERMAL PROPERTIES

TESNIT® BA-U is a general application gasketing based on aramid fibers and high resistant NBR - nitrile butadiene rubber. Material has excellent chemical resistance, good mechanical and thermal properties. TESNIT® BA-U covers a great number of different approvals like: DVGW, KTW, WRc, BAM, HTB, SVGW and Germanischer Lloyd. It also complies with the requirements of BS 7531 Grade Y. TESNIT® BA-U has applications in many different industries: food, gas supply, portable water supply, compressors.

PROPERTIES AND APPLICATIONS

Excellent gasket material for general use with extremely wide application range.

| Composition | Aramid fibers, NBR |
|-------------|---|
| Approvals | BAM (Oxygen), DVGW W270, DIN-DVGW DIN 3535-6, |
| | Germanischer Lloyd, DVGW VP 401, DVGW KTW, |
| | TA-Luft (VDI 2440), WRAS/WQc, Croatian Register of Shipping |

SURFACE TREATMENT **DIMENSIONS OF STANDARD SHEET**

Treatment with graphite, PTFE and anti-stick coating is available on request.

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

TECHNICAL DATA Typical values for a thickness of 2 mm

| Compressibility | ASTM F 36J | % | 8 |
|---------------------------|------------|----------|----------|
| Recovery | ASTM F 36J | % | 55 |
| Tensile strength | DIN 52910 | MPa | 11 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | MPa | 22 |
| 16h, 175°C, 50MPa | | MPa | 28 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.05 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 5 |
| ASTM Fuel B, 5h, 23°C | | % | 5 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 350/662 |
| Continuous temperature | | °C/°F | 250/482 |
| - with steam | | °C/°F | 200/392 |
| Pressure | | bar/psi | 100/1450 |
| | | | |

P-T DIAGRAM

EN 1514-1, Type IBC, PN 40, DIN 28091-2 / 3.8, 2.0 mm



- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).



GASKET MATERIAL WITH EXCELLENT TORQUE RETENTION. GOOD STEAM AND THERMAL RESISTANCE

TESNIT® BA-GL is an excellent soft gasketing material composed of selected synthetic fibers and bonded with NBR rubber. Material has superior torgue retention and good steam resistance. It has excellent thermal resistance in combination with good gas sealability. Material is also suitable for use with water, oils, gases, fuels and many acids. TESNIT® BA-GL complies with the requirements of BS 7531 Grade X and covers a very wide application range.

PROPERTIES AND APPLICATIONS

Gasket material for sealing of very broad range of media at high temperatures.

| Composition | Glass fibers, NBR |
|-------------|---|
| Approvals | DIN-DVGW DIN 3535- DVGW VP 401, TA-Luf |

SURFACE TREATMENT

Treatment with graphite. PTFE and anti-stick coating is available on request.

DIMENSIONS OF STANDARD SHEET Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

| TECHNICAL DATA Typical value | s for a thickness of 2 mm | | |
|-------------------------------------|---------------------------|----------|----------|
| Compressibility | ASTM F 36J | % | 8 |
| Recovery | ASTM F 36J | % | 50 |
| Tensile strength | DIN 52910 | MPa | 8 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | MPa | 30 |
| 16h, 175°C, 50MPa | | MPa | 35 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.08 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 8 |
| ASTM Fuel B, 5h, 23°C | | % | 8 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 440/824 |
| Continuous temperature | | °C/°F | 350/662 |
| - with steam | | °C/°F | 250/482 |
| Pressure | | bar/psi | 100/1450 |



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BA-U



6, Germanischer Lloyd, t (VDI 2440).

General suitability using common installation practices under the condition of chemical compatibility.

Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.

Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).

BA-GL





GASKET MATERIAL WITH EXCELLENT RESISTANCE AGAINST STEAM AND STRONG ALKALIES

TESNIT® BA-CF is a high grade soft gasketing material based on carbon fibers and bonded with NBR rubber. Material has excellent resistance to steam and strong alkaline media. It is widely used in the chemical and petrochemical industries. Tesnit® BA-CF is approved by many institutions like: DVGW, KTW, WRc, BAM. Material also complies with the requirements of BS 7531 Grade X. Specially designed gasketing material TESNIT® BA-CF is an answer to the growing demands of many aggressive chemicals.

PROPERTIES AND APPLICATIONS

Gasket material for sealing of steam and very aggressive media in chemical and petrochemical industries.

| Composition | Carbon fibers, NBR |
|-------------|--|
| Approvals | BAM (Oxygen), DIN-DVGW DIN 3535-6, DVGW VP 401, DVGW KTW, Germanischer Lloyd, Croatian Register of Shipping |

SURFACE TREATMENT

DIMENSIONS OF STANDARD SHEET

Treatment with graphite, PTFE and anti-stick coating is available on request.

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

TECHNICAL DATA Typical values for a thickness of 2 mm

| Compressibility | ASTM F 36J | % | 9 |
|---------------------------|------------|----------|----------|
| Recovery | ASTM F 36J | % | 55 |
| Tensile strength | DIN 52910 | MPa | 8 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | MPa | 25 |
| 16h, 175°C, 50MPa | | МРа | 30 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.05 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 7 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 400/752 |
| Continuous temperature | | °C/°F | 300/572 |
| - with steam | | °C/°F | 280/536 |
| Pressure | | bar/psi | 100/1450 |

P-T DIAGRAM

EN 1514-1, Type IBC, PN 40, DIN 28091-2 / 3.8, 2.0 mm



- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).



GASKET MATERIAL WITH CONTROLLED SWELL PROPERTIES

TESNIT® BA-Auto is soft gasketing material with controlled swell properties. It is a sealing material based on aramid fibers and selected rubbers. It is specially designed for sealing at low surface stress on rough or uneven sealing flanges. The controlled swelling of gasket material in such cases compensates for the loss of specific surface pressure in the application. TESNIT® BA-Auto is widely used in the automotive industry.

PROPERTIES AND APPLICATIONS

Gasket material for sealing at low surface stresses in automotive and chemical industry.

| Composition | Aramid fibers, SBR |
|-------------|--------------------|
| | • |

SURFACE TREATMENT

Treatment with graphite, PTFE and anti-stick coating is available on request.

DIMENSIONS OF STANDARD SHEET

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

| IECHNICAL DAIA Typical values | s for a thickness of 2 mm | | |
|-------------------------------|---------------------------|----------|---------|
| Compressibility | ASTM F 36J | % | 9 |
| Recovery | ASTM F 36J | % | 50 |
| Tensile strength | DIN 52910 | MPa | 10 |
| Stress resistance | DIN 52913 | | |
| 16h, 175°C, 50MPa | | MPa | 25 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.06 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 40 |
| ASTM Fuel B, 5h, 23°C | | % | 25 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 280/536 |
| Continuous temperature | | °C/°F | 220/428 |
| Pressure | | bar/psi | 80/1160 |



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General suitability using common installation practices under the condition of chemical compatibility.

Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.

Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).



GASKET MATERIAL WITH EXTREMELY GOOD RESISTANCE TO COOLING MEDIA

TESNIT® BA-N consists of aramid fibers and chloroprene rubber, so the material is especially suitable for different media in the refrigeration industry. TESNIT® BA-N also has excellent mechanical properties and thermal resistance combined with good chemical resistance which makes the gasket material very suitable for a range of general applications.

PROPERTIES AND APPLICATIONS

Gasket material for sealing of different applications in the refrigeration industry.

Composition

Aramid fibers, CR

SURFACE TREATMENT

DIMENSIONS OF STANDARD SHEET

Treatment with graphite, PTFE and anti-stick coating is available on request.

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

BA-N

TESNEL BA-N

BA-N

BA-N TESNE

BA-N TESHI

Tassaf

RA-N

BA-N

TECHNICAL DATA Typical values for a thickness of 2 mm

| Compressibility | ASTM F 36J | % | 8 |
|---------------------------|------------|----------|----------|
| Recovery | ASTM F 36J | % | 55 |
| Tensile strength | DIN 52910 | MPa | 11 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | MPa | 22 |
| 16h, 175°C, 50MPa | | MPa | 28 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.05 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 8 |
| ASTM Fuel B, 5h, 23°C | | % | 8 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 350/662 |
| Continuous temperature | | °C/°F | 270/518 |
| - with steam | | °C/°F | 200/392 |
| Pressure | | bar/psi | 100/1450 |

DONIT | Gasket Sheets **TESNIT**[®] Standard Line

GASKET MATERIAL WITH VERY GOOD RESISTANCE TO ACIDS AND ALKALINE MEDIA

TESNIT® BA-C is specially developed soft gasketing material for the chemical industry. It is a sealing material based on aramid fibers and CSM rubber. The material has very good resistance to acids and alkalis, and is also very convenient to use with different aggressive media. TESNIT® BA-C is a suitable application in all places where chemical resistance is the most important factor.

PROPERTIES AND APPLICATIONS

Gasket material for sealing of extremely aggressive media in many industries.

| Composition | Aramid fibers, CSM |
|-------------|--------------------|
| Approvals | TA-Luft (VDI 2440) |

SURFACE TREATMENT

Treatment with graphite, PTFE and anti-stick coating is available on request.

DIMENSIONS OF STANDARD SHEET

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

| TECHNICAL DATA Typical values for a thickness of 2 mm | | | |
|--|------------|----------|---------|
| Compressibility | ASTM F 36J | % | 8 |
| Recovery | ASTM F 36J | % | 45 |
| Tensile strength | DIN 52910 | MPa | 10 |
| Stress resistance | DIN 52913 | | |
| 16h, 175°C, 50MPa | | MPa | 25 |
| Specific leak rate | DIN 3535-6 | mg/(s∙m) | 0.06 |
| Thickness increase | ASTM F 146 | | |
| HNO ₃ 40%, 18h, 23°C | | % | 10 |
| H ₂ SO ₄ 65%, 48h, 23°C | | % | 8 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 200/392 |
| Continuous temperature | | °C/°F | 150/302 |
| Pressure | | bar/psi | 60/870 |



recommended.



- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).

BA-N



General suitability using common installation practices under the condition of chemical compatibility.

Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is

Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).





WIRE REINFORCED GASKET MATERIAL WITH GREAT STRENGTH

TESNIT® BA-R is an aramid fiber and NBR rubber based soft gasketing material, in combination with special wire reinforcement. The material has excellent mechanical, dynamic and thermal resistance. TESNIT® BA-R is used in many applications in the automotive and petrochemical industries and shipyards. TESNIT® BA-R has also excellent blow-out safety.

PROPERTIES AND APPLICATIONS

Special gasket material for applications where resistance to the high dynamic loadings is the premium requirement.

| Composition | Aramid fibers, NBR, wire reinforced |
|-------------|---|
| Approvals | Germanischer Lloyd, Croatian Register of Shipping |

SURFACE TREATMENT

DIMENSIONS OF STANDARD SHEET

Treatment with graphite, PTFE and anti-stick coating is available on request.

Sheet size (mm): 1000x1500 | 1500x1500 Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0 Other dimensions and thicknesses on request.

TECHNICAL DATA Typical values for a thickness of 2 mm

| Compressibility | ASTM E 34 I | 0/2 | 7 |
|---------------------------|-------------|---------|----------|
| compressionary | ASTM F 303 | /0 | 1 |
| Recovery | ASTM F 36J | % | 50 |
| Tensile strength | DIN 52910 | MPa | 15 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | MPa | 30 |
| 16h, 175°C, 50MPa | | MPa | 35 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 8 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 400/752 |
| Continuous temperature | | °C/°F | 350/662 |
| - with steam | | °C/°F | 230/446 |
| Pressure | | bar/psi | 140/2030 |

350

DONIT | Gasket Sheets **TESNIT[®]** Standard Line

GASKET MATERIAL WITH EXCELLENT DYNAMIC AND THERMAL PROPERTIES

TESNIT® BAR-300 is a specially designed gasket material composed of inorganic fibers, NBR rubber and extremely strong wire mesh. Material has extreme dynamic and thermal resistance and finds application in automotive, petrochemical industry and shipyards. One of many options is the incorporation of an inner metal ring, which also increases the final application parameters.

PROPERTIES AND APPLICATIONS

Special gasket material for extreme dynamic conditions in the automotive industry, petrochemical industry and shipyards.

| Composition | Inorganic, NBR, wire |
|-------------|----------------------|
| Approvals | Germanischer Lloyd, |

SURFACE TREATMENT

Treatment with graphite, PTFE and anti-stick coating is available on request.

DIMENSIONS OF STANDARD SHEET

Sheet size (mm): 1000x1400 | 500x1400 Thickness (mm): 0.6 | 0.7 | 1.2 | 1.4 | 1.6 Other dimensions and thicknesses on request.

| TECHNICAL DATA Typical values for a thickness of 2 mm | | | | | | | | | |
|---|------------|-------|----------|--|--|--|--|--|--|
| Compressibility | ASTM F 36J | % | 8 | | | | | | |
| Recovery | ASTM F 36J | % | 40 | | | | | | |
| Stress resistance | DIN 52913 | | | | | | | | |
| 16h, 300°C, 50MPa | | MPa | 40 | | | | | | |
| Thickness increase | ASTM F 146 | | | | | | | | |
| Oil IRM 903, 5h, 150°C | | % | 5 | | | | | | |
| Max. operating conditions | | | | | | | | | |
| Peak temperature | | °C/°F | 550/1022 | | | | | | |
| Continuous temperature | | °C/°F | 450/842 | | | | | | |
| | | | | | | | | | |



- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).



reinforcement **Croatian Register of Shipping**





GASKET MATERIAL WITH SUPERIOR DYNAMIC AND THERMAL RESISTANCE

TESNIT® BA-R302 is further development of reinforced gasketing materials based on inorganic fibers, NBR rubber and extremely strong wire mesh. The material possesses superior dynamic and thermal resistance. Typical applications of TESNIT® BA-R302 include exhaust and cylinder head gaskets for the automotive industry and shipyards. The material has excellent blow-out safety.

PROPERTIES AND APPLICATIONS

Specialy designed gasket material for the most demanding requirements in automotive industry, petrochemical industry and shipyards.

| Composition | Inorganic fibers, NBR, special reinforcement |
|-------------|---|
| Approvals | Germanischer Lloyd, Croatian Register of Shipping |

SURFACE TREATMENT

DIMENSIONS OF STANDARD SHEET

Treatment with graphite, PTFE and anti-stick coating is available on request. Sheet size (mm): 1000x1400 | 500x1400 Thickness (mm): 0.6 | 0.7 | 1.2 | 1.4 | 1.6 Other dimensions and thicknesses on request.

TECHNICAL DATA Typical values for a thickness of 2 mm

| I spice i de la complete i de la complet | | | |
|--|------------|-------|----------|
| Compressibility | ASTM F 36J | % | 7 |
| Recovery | ASTM F 36J | % | 45 |
| Stress resistance | DIN 52913 | | |
| 16h, 300°C, 50MPa | | MPa | 45 |
| Thickness increase | ASTM F 146 | | |
| Oil IRM 903, 5h, 150°C | | % | 5 |
| Max. operating conditions | | | |
| Peak temperature | | °C/°F | 650/1202 |
| Continuous temperature | | °C/°F | 600/1112 |

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.

| | Ļ. | -GL | ŗ | ပု | -55 | z | Auto | -20 | -202 | ę | -203 |
|---------------------------------------|-----------|-----------|-----------|------------|----------|----|----------|----------|------------|----|----------|
| | BA | BA | BA | BA | BA | BA | BA | BA | BA | B | B |
| Acetamide | | | | | | | | | | | |
| Acetic acid 10% | | | | | | | | | | | |
| Acetic actor | | | | | | | | | | | |
| Acetope | Ξ. | Ξ. | Ξ. | | а. | | Ξ. | Ξ. | | | |
| Acetylene | - | - | - | | | - | | | • | | |
| Adipicacid | ŏ | ě | | ŏ | ŏ | ě | ŏ | ŏ | ŏ | | ŏ |
| Air | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ |
| Alum | • | • | • | • | • | | • | Ō | • | | • |
| Aluminium acetate | \bullet | \bullet | ۲ | lacksquare | ۲ | | | | | | |
| Aluminium chlorate | ۲ | ۲ | ۲ | ۲ | ۲ | | | | | | |
| Aluminium chloride | | | • | • | | | | | | | |
| Ammonia | | | | | | | | | | | |
| Ammonium bicarbonate | | | | | | | | | | | |
| Ammonium bydrovido | | | | | | | | | | | |
| | | Ξ. | | | | | | Ξ. | | | |
| Anijine | Ŧ | Ŧ | Ŧ | Ŧ | Ŧ | Ŧ | Ŧ | Ŧ | - | | - |
| Asphalt | ė | ė | ò | Ť | ò | Ť. | ė | ė | ė i | ò | ė |
| Barium chloride | ŏ | ŏ | ŏ | ē | ŏ | ē | ŏ | ŏ | ŏ | ŏ | ĕ |
| Benzene | | | | ▼ | | | ▼ | | | | |
| Benzoicacid | \bullet | \bullet | \bullet | lacksquare | | | | | | | |
| Boricacid | | ۲ | ۲ | ۲ | ۲ | ۲ | | | | | |
| Borax | | | • | • | • | | | • | | | • |
| Butane | | | | • | | | | | • ` | | • |
| Butylalcohol | | | | | | | а. | | | | |
| Butyricacid | | | | | | | | | | | |
| Calcium bydravida | | | | | | | | | | | |
| Carbon disulphide | ÷ | ÷ | ÷ | Ť | ÷ | - | - | - | - | | - |
| Carbon dioxide | | | | | | | ŏ | • | ě, | | ě. |
| Chloroform | Ť | Ť | Ť | Ĭ | Ť | Ť | Ť | Ť. | Ĭ, | Ť. | Ť |
| Chlorine, dry | | | | | ▼ | ▼ | Ť. | ▼ | V 1 | Ť. | Ý. |
| Chlorine, wet | | | | | ▼ | | | | • | • | • |
| Chromicacid | ▼ | ▼ | ▼ | | ▼ | | ▼ | | • | • | • |
| Citricacid | | | | | ۲ | | | | | | |
| Copperacetate | • | <u>•</u> | • | - | • | • | • | <u>•</u> | <u> </u> | | <u> </u> |
| Creosote | • | • | . | - | - | а. | <u>.</u> | • | <u>.</u> | Σ. | <u> </u> |
| Cyclobeyapol | | | | | | | ÷ | | | • | • |
| Cyclohexanore | | | | | | Ť | ÷ | Ť | • | | - |
| Decalin | • | • | • | • | • | • | ÷. | ò | i i | | ŏ |
| Dibenzylether | Ť | Ť | V | V | V | Ť | Ť | V | T : | • | v |
| Dimethyl formamide | Ť | Ý. | Ý | Ý | Ý | Ý | Ý. | Ý. | Ý. | Ý. | Ý. |
| Dowtherm | | | | | | | ▼ | | | | |
| Ethane | | | | | | | | | | | |
| Ethylacetate | | | | | | | | | | | |
| Ethylalcohol Ethylalcohol | - | - | - | - | - | - | - | • | - 1 | | |
| Ethylopo | | | | | | | | | | | |
| Ethylene alvcol | | | | | | | | | | | |
| Euriytene giyeet | | | | | | - | | | | | |
| Formic acid 85% | ŏ | Ť | ŏ | ŏ | Ť | Ť | Ť | Ť. | | • | |
| Formaldehyde | ŏ | • | ŏ | ŏ | • | • | • | • | ē | ė | • |
| Freon 12 | | | | | | | ▼ | | | | |
| Freon 22 | | | | ۲ | | ۲ | ▼ | | • | | |
| Fueloil | ٠ | ٠ | ٠ | ٠ | ۲ | | | | | • | • |
| Gasoline | | • | • | • | • | | | | | | |
| Glycerine | | | | | | • | - | | • | | |
| Heptane Hudroulia ail (Misser) | | | | | | | - | | | | |
| Hydraulic oil (Phosphate esther type) | | | | | | | - | | | | |
| Hydraulic oil (Glycol based) | | | | | | | | | | | |
| Hydrazine | ě | ě | ě | ĕ | ě | Ĩ | ě | ĕ | ē | - | ě |
| Hydrochloric acid 20% | | | | ۲ | V | ▼ | V | ▼ | • | • | V |
| Hydrochloric acid 36% | ▼ | ▼ | ▼ | lacksquare | V | ▼ | ▼ | | • | • | |
| Hydrofluoric acid 10% | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | • | • | |
| Hydrofluoric acid 40% | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | • | | |
| Hydrogen | • | • | • | • | • | • | • | | | | • |

Recommended

Recommendation depends on operating conditions
Not recommended

2

~ ~

| | BA-CF | 3A-GL | BA-U | 3A-C | 3A-55 | BA-N | 3A-Au | 3A-50 | 3A-20 | 3A-R | 3A-20 |
|-----------------------------|------------|------------|----------|----------------------|------------|-----------|------------|-----------|-----------|------------|------------|
| Isobutane | • | | | _ | | | | | | Ī | |
| Isooctane | ۲ | ۲ | Ŏ | $\overline{\bullet}$ | ۲ | | | ۲ | | ė | • |
| Isopropylalcohol | lacksquare | ۲ | ۲ | lacksquare | ۲ | ۲ | ۲ | ۲ | ۲ | lacksquare | ۲ |
| Kerosene | | | | | • | | | | | | |
| Lead acetate | | | | | | | | | | | |
| Magnesium sulphate | | | | | | | | | | - | |
| Malicacid | | | | | | | | | | | |
| Methane | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | Ĭ | ŏ |
| Methanol | lacksquare | lacksquare | | lacksquare | | | \bullet | | \bullet | lacksquare | lacksquare |
| Methylchloride | | | | | | | ▼ | | | ▼ | |
| Methylene dichloride | T | _ | _ | | . <u>.</u> | _ | Σ. | • | . | Σ. | T |
| Metnyletnylketone | | | | | | | | | | | |
| Mineral oil type ASTM no. 1 | | | | | | | | | | - | |
| Naphtha | ŏ | ŏ | ŏ | Ť | ŏ | ŏ | Ŧ | ŏ | | ŏ | ŏ |
| Nitric acid 20% | | V | V | • | V | V | Ý | V | T | Ť | V |
| Nitric acid 40% | ▼ | V | V | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Nitricacid 96% | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Nitrobenzene | | | | | | | • | | | • | |
| Nitrogen | | | | | | | - | | | | |
| Oleicacid | | | | | | | | | | - | |
| Oleum | Ť | Ť | Ť | Ť | Ť | Ŧ | Ŧ | Ť | Ť | Ť | Ť |
| Oxalic acid | | | | ė | Ť. | ė | Ť | | ÷. | Ť. | |
| Oxygen | \bullet | \bullet | | lacksquare | | \bullet | ۲ | \bullet | \bullet | ▼ | |
| Palmitic acid | • | | | | • | • | | | | | ۲ |
| Pentane | • | • | • | • | • | • | | • | | | • |
| Perchloroelnylene | - | - | - | | - | | - | - | - | - | - |
| Phosphoric acid | | - | | | ÷ | - | ÷ | | ÷ | - | ÷ |
| Potassium acetate | ē | • | • | ŏ | ŏ | ė | ė | ē | ė | • | ŏ |
| Potassium bicarbonate | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ |
| Potassium carbonate | \bullet | \bullet | | lacksquare | ۲ | \bullet | \bullet | \bullet | \bullet | | ۲ |
| Potassium chloride | • | • | • | • | • | • | • | • | • | • | • |
| Potassium dichromate | | • | • | • | - | • | • | • | • | _ | 2 |
| Potassium nyuroxide | | | | | | | | | | | |
| Potassium nitrate | | | | | | | - | | | - | |
| Potassium permanganate | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ |
| Propane | ۲ | ۲ | ۲ | ۲ | ۲ | ۲ | | ۲ | | | ۲ |
| Pyridine | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| R 134a | • | • | • | | • | | | | | • | |
| Salicylic acid | | | | | | | | | | | |
| Snap | | | | | | | - | | | | |
| Sodium aluminate | ě | ŏ | | ŏ | ŏ | | ŏ | ŏ | ě | ŏ | ŏ |
| Sodium bicarbonate | ŏ | ŏ | Ŏ | ŏ | Ŏ | ŏ | ŏ | ŏ | ŏ | | ŏ |
| Sodium bisulphite | \bullet | \bullet | | lacksquare | \bullet | \bullet | lacksquare | \bullet | \bullet | \bullet | |
| Sodium carbonate | • | • | • | • | • | • | • | • | • | • | • |
| Sodium chloride | | | | | | • | | | | • | |
| Sodium bydroxide | | | | | | | - | | - | - | - |
| Sodium sulphate | | | | | - | | | | | | |
| Sodium sulphide | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ | ŏ |
| Starch | ۲ | ۲ | ۲ | • | • | ۲ | ullet | ۲ | ۲ | ۲ | ۲ |
| Steam | lacksquare | ۲ | ۲ | ۲ | ۲ | ۲ | lacksquare | \bullet | | lacksquare | ۲ |
| Stearicacid | • | • | • | • | • | • | | • | • | | • |
| Sulphuric acid 20% | | - | - | | - | - | - | - | - | - | - |
| Sulphuric acid 96% | - | ÷ | ÷ | | ÷ | ÷ | ¥ | ÷ | ÷ | ÷ | - |
| Tar | | • | | | ŏ | • | | • | ě | • | |
| Tartaric acid | Ó | Ó | ē | Ó | ē | Ó | | Ó | | Ó | Ó |
| Toluene | ullet | ullet | ۲ | ullet | ullet | ullet | | \bullet | \bullet | | |
| Transformeroil | • | • | • | • | • | • | | • | • | | • |
| I richlorethylene | | | | | | | | | | | |
| White Spirit | - | - | | - | - | | - | - | | - | - |
| Xylene | ĕ | | | | | | | | | | |
| | - | _ | | | | _ | | _ | | | _ |



About us:

Donit Tesnit® was founded in 1946 and is today one of the world's leading producers of sealing materials, gasket products and solutions serving all major markets. We provide integrated solutions for our customers' challenging environments and supply various custom made applications. With our own infrastructure we have gained extensive knowledge and experience in the sealing business. We produce technologically advanced products that are more environment-friendly. Our products are used globally in the chemical-, oil-, automotive-, food-, mechanical- and shipbuilding industry, in power plants and construction.

One of our biggest assets is the experience we have in building relationships and assuring quality. This generates trust which is embedded in the our brand. Through sustaining relationships with existing customers and expanding local presence, we align our business with that of our customers - a true partner for success.

Our Markets:

Our headquarters is in Medvode, Slovenia directly in the heart of Europe. From Slovenia we have direct access to a logistic infrastructure that enables us to provide fast and direct response to our customers. With more than 250 customers worldwide, our production is exported into more than 60 countries on all continents. Our extensive worldwide network of distributors, agents and other clients enables us to provide real-time high quality tangible solutions around the globe, with special focus on Europe, USA and Asia. We believe in supreme customer focus – listening keenly, then using our global presence and experience to provide solutions is what makes us the preferred partner in success stories all over the world.

Us as Partner:

We produce a wide range of high quality products. What makes us different is our genuine interest in what our customers really need. This makes us a true partner in transforming ideas into actions. Our high quality products enable our customers to lead an environmentally safe business and decrease the possibility of environmental cost. We act responsibly because we are in it for the long haul. The wide range of products and services make Donit a one-stop shop for our customers' diverse needs. This makes our customers' day-to-day business easier. We advise and consult with our customers in order give them the confidence to face change and keep their business sustainable and safe.

Our Personality:

THE CURIOUS GUY WITH EXPERIENCE.

We have the eagerness of an engineer - following the latest trends in the industry, asking questions and listening to our customer. When it is time to execute, the wisdom of a seasoned professional takes over. We demonstrate our deep knowledge about the industry in a way that is innovative and to-the-point. We engage with our customers and know that keeping promises matters more than big words.

Donit – A perfect fit.



