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Gasket Sheets

**DONIFLON**



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2010

2020

2030

900E

100V





### 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.



# DONIT | Gasket Sheets

## DONIFLON 2010



[www.donit.eu](http://www.donit.eu)





**DONIFLON 2010** is a PTFE sheet produced from PTFE resin filled with special fillers that give sealing material highly conformable properties.

### PROPERTIES AND APPLICATIONS

A blend of specially designed sealing materials for use in applications requiring low bolt loads, like glass lined or ceramic flanges, and uneven or distorted flanges. Chemically suitable for almost all substances with the exception of molten alkali metals.

### TECHNICAL DATA

Typical values for a thickness of 1.5mm

<b>Temperature range</b>		210°C to +260 °C
<b>Operating pressure</b>		Max. 55 bar
<b>pH range</b>		0 - 14
<b>Density</b>	DIN 28090-2	1.5 g/cm <sup>3</sup>
<b>Compressibility</b>	ASTM F 36J	40 %
<b>Recovery</b>	ASTM F 36J	30 %
<b>Tensile strength</b>	DIN 52910	12 MPa
<b>Stress resistance</b> 16h, 150°C, 30MPa	DIN 52913	22 MPa
<b>Permeability to nitrogen</b>	DIN 3535-6	< 0.002 mg/sm

### DIMENSIONS OF STANDARD SHEET

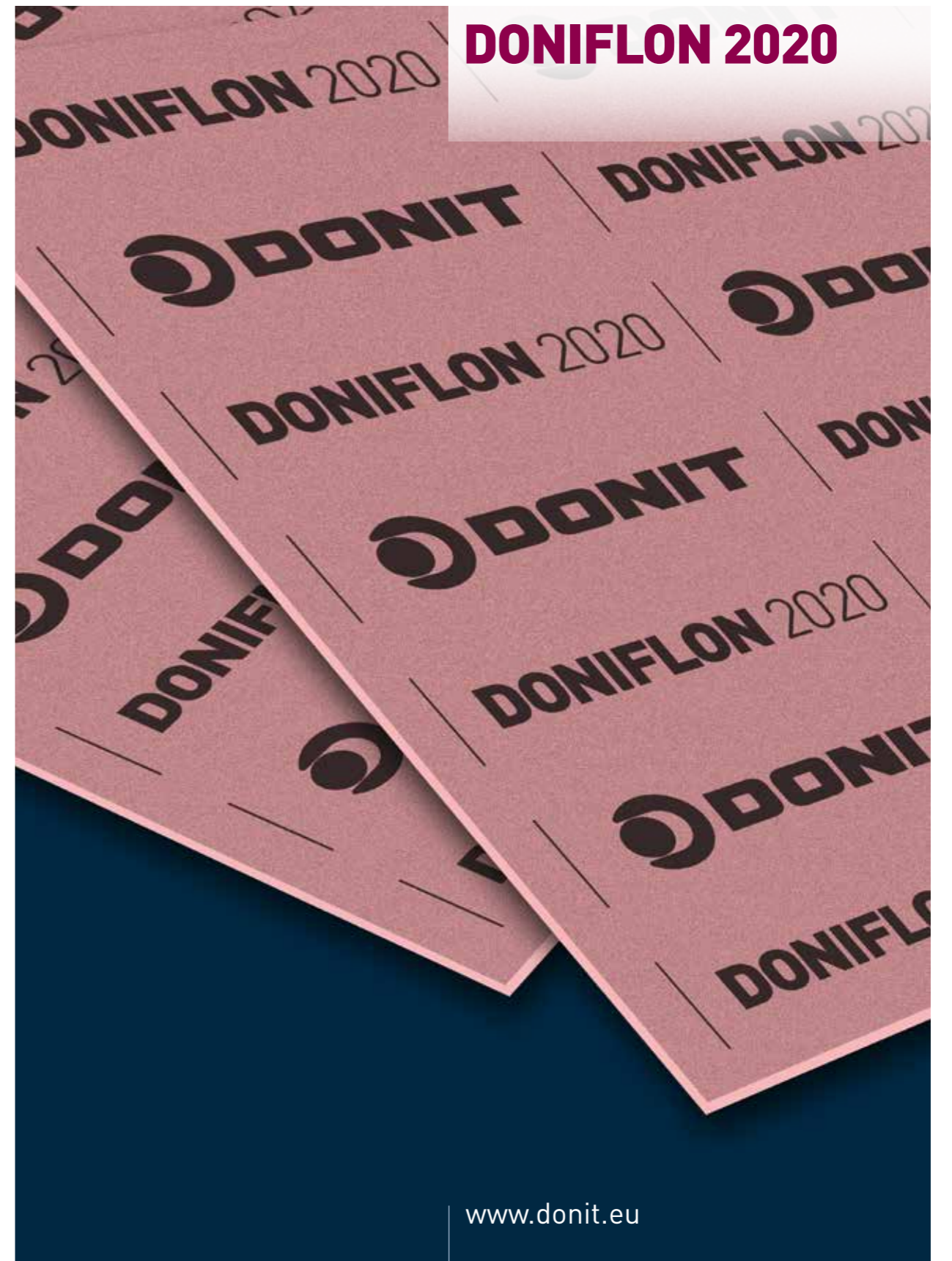
Sheet size (mm): 1500 x 1500  
 Thickness (mm): 1.0 | 2.0 | 3.0  
 Other dimensions are available on request.

"All information data quoted are based on years of experience in 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 of the 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."



DONIT TESNIT, d.o.o.

## DONIFLON 2020



[www.donit.eu](http://www.donit.eu)



**DONIFLON 2020** is a PTFE sheet produced from PTFE resin filled with silica.

### PROPERTIES AND APPLICATIONS

A general purpose grade, suitable for use with alkalis, solvents, fuels and steam. DONIFLON 2020 is particularly suitable for use with strong acids, except hydrofluoric acid.

### TECHNICAL DATA

Typical values for a thickness of 1.5mm

<b>Temperature range</b>		210°C to +260 °C
<b>Operating pressure</b>		Max. 85 bar
<b>pH range</b>		0 - 14
<b>Density</b>	DIN 28090-2	2.1 g/cm <sup>3</sup>
<b>Compressibility</b>	ASTM F 36J	10 %
<b>Recovery</b>	ASTM F 36J	40 %
<b>Tensile strength</b>	DIN 52910	14 MPa
<b>Stress resistance</b> 16h, 150°C, 30MPa	DIN 52913	20 MPa
<b>Permeability to nitrogen</b>	DIN 3535-6	< 0.002 mg/sm

### DIMENSIONS OF STANDARD SHEET

Sheet size (mm): 1500 x 1500  
 Thickness (mm): 1.0 | 2.0 | 3.0  
 Other dimensions are available on request.

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DONIT TESNIT, d.o.o.



### DONIFLON 2030





**DONIFLON 2030** is a PTFE sheet produced from PTFE resin filled with barium sulphate.

### PROPERTIES AND APPLICATIONS

A general purpose grade, suitable for use with wide variety of chemicals including moderate acids and strong alkalis, solvents, fuels, refrigerants and steam.

### TECHNICAL DATA

Typical values for a thickness of 1.5mm

<b>Temperature range</b>		210°C to +260 °C
<b>Operating pressure</b>		Max. 85 bar
<b>pH range</b>		0 - 14
<b>Density</b>	DIN 28090-2	3.0 g/cm <sup>3</sup>
<b>Compressibility</b>	ASTM F 36J	8%
<b>Recovery</b>	ASTM F 36J	40 %
<b>Tensile strength</b>	DIN 52910	12 MPa
<b>Stress resistance</b> 16h, 150°C, 30MPa	DIN 52913	20 MPa
<b>Permeability to nitrogen</b>	DIN 3535-6	< 0.002 mg/sm

### STANDARD DIMENSIONS

Sheet size (mm): 1500 x 1500  
 Thickness (mm): 1.0 | 2.0 | 3.0  
 Other dimensions are available on request.

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DONIT TESNIT, d.o.o.





**DONIFLON 900 E** products consist of expanded PTFE. A highly fibrillated structure gives them their special properties. Product line includes sheets and joint sealants.

### PROPERTIES AND APPLICATIONS

Made of 100% PTFE and suitable for use with all but the most aggressive media. It is very soft and extremely compressible, therefore it compensates for irregularities or damage on the flange face and is suitable for all pressure sensitive connections like; porcelain, plastic, glass lined piping. There is no ageing and physiologically safe with no contamination of flow products. The joint sealant is available with a self-adhesive strip to aid installation.

### TECHNICAL DATA

Typical values for a thickness of 2.0mm

Temperature range		240°C to +260 °C
pH range		0 - 14
Density	IN 28090-2	0.9 g/cm <sup>3</sup>
Compressibility	ASTM F 36J	5 %
Recovery	ASTM F 36J	12 %
Stress resistance	DIN 52913	
16h, 150°C, 30MPa		16 MPa
Permeability to nitrogen	DIN 3535-6	0.002 mg/sm

### STANDARD DIMENSIONS

Sheet size (mm): 1500 x 1500  
Thickness (mm): 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0

### JOINT SEALANTS

Standard dimensions (width x thickness) (mm)  
3 x 1.5 | 5 x 2 | 7 x 2.5 | 10 x 3 | 12 x 4  
14 x 5 | 17 x 6 | 20 x 7 | 25 x 5 | 25 x 10 | 30 x 10 | 40 x 5

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DONIT TESNIT, d.o.o.



**DONIFLON 100 V**

[www.donit.eu](http://www.donit.eu)



**DONIFLON 100 V** is a comprehensive range of unfilled and filled PTFE products. Product line includes sheets, foils, rods and tubes.

### PROPERTIES AND APPLICATIONS

Extremely high chemical inertness towards nearly all known chemicals excluding molten alkali metals and fluorine gas. PTFE is non-flammable and has a good stability for continuous use up to 260°C. Low friction and excellent release properties and non toxic, therefore can be used in contact with food. Some properties of PTFE (like cold flow, wear resistance...) could be further improved by incorporation of different fillers such as glass fibers, graphite, bronze or a mixture of these fillers.

### TECHNICAL DATA

Typical values for sheets made of virgin PTFE

<b>Temperature range</b>		200°C to +260 °C
<b>pH range</b>		0 - 14
<b>Density</b>	DIN 53479	2.15 g/cm <sup>3</sup>
<b>Tensile strength</b>	ISO 527-1	25 N/mm <sup>2</sup>
<b>Elongation</b>	ISO 527-1	250 %
<b>Hardness</b>	DIN 53505	56 Shore

### STANDARD DIMENSIONS

#### Sheets

- dimension up to 1200 x 1200 mm
- thickness up to 50 mm

#### Rods

- from Ø 5 mm up to Ø 300 mm

#### Foils

- width up to 1200 mm
- thickness up to 1 mm

#### Tubes

- from out. Ø 6 mm up to out. Ø 300 mm

Other dimensions are available on request.

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