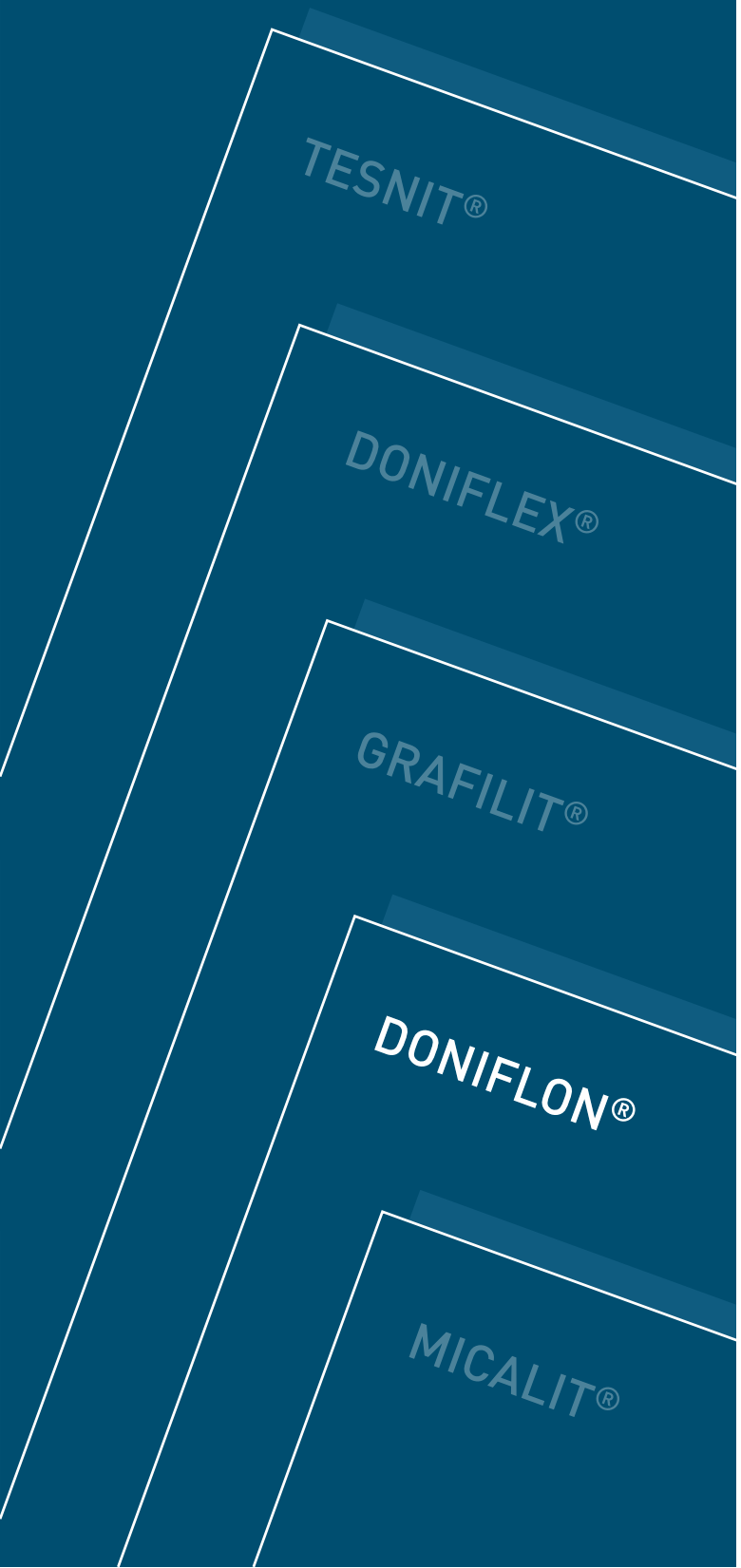
DONIT®
Made in EU



DONIT®
A perfect fit

WE ARE A TRUE PARTNER FOR YOUR SUCCESS

DONIT® Sealing technologies

As a leader in gaskets, gasket sheets, and advanced sealing technologies, we offer the optimum solution with a perfect fit for your most challenging sealing requirements. Backed by decades of excellence in understanding of sealing problems, extensive know-how in application engineering, and consistent manufacturing of reliable high quality products, we are in position to respond quickly and efficiently to your inquiry.

WE ARE A TRUE PARTNER FOR YOUR SUCCESS

With a wide experience in problem-solving and unshaken commitment to high quality standards, we are dedicated to provide you the best service and products. In addition, through customer-driven innovation, our strong R&D team is qualified to successfully design the adequate sealing solution.

Our customer satisfaction rests upon four pillars:

- Complete production chain and international sales network
- Quality assurance and safety
- Application engineering
- Technical training courses and seminars

THE DONIT® PHILOSOPHY

Our philosophy is based on building long-term business relationship with our customers that extends across many sectors of industries. Customer satisfaction is our driving-force which is attained through the constant supply of reliable and high quality products embracing product improvement and support.

DONIT® gasket sheets and sealing solutions are high quality products which have received several industrial quality approvals. Our products support the environmental legislation without compromising their sealing performance.

EMPLOYEES

Over 200 employees dedicated to you:
We strive for permanent professional and personal growth. We promote teamwork and diversity.

Our international team supports you regardless of your geographical location.

80% - Secondary school / technical school or lower

18% - Bachelor or equivalent

2% - Doctoral or equivalent

CERTIFIED QUALITY

We assure high quality, environmentally friendly products to our customers. Quality and care for the environment is embedded in both our minds and our organization.

Care for the environment is embedded in our tradition. DONIT TESNIT d.o.o. is certified by international ISO 9001 and ISO 14001 standards.

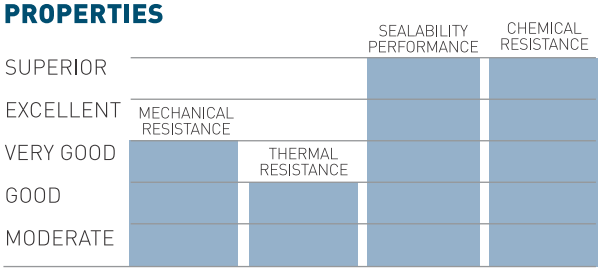
We also ensure that product quality and safety are in accordance with a number of widely recognized international standards such as:

DVGW (DIN 3535-6, VP 401), SVGW (DIN 3535-6), ELL, DVGW W270, BAM, WRAS, TA-Luft (VDI 2440), API 6FA / API 607, ISO 10497, ABS, DNV GL

DONIT® | DONIFLON® 900E

A multi directional expanded PTFE material with superior chemical resistance to nearly all media with the exception of molten alkali metals and fluorine compounds. DONIFLON® 900E is recommended for the pharmaceutical and food industries. Its excellent compressibility enables very good adaptability to pressure sensitive connections like ceramic-, glass-, or plastic-lined piping or uneven flanges.

PROPERTIES



APPROPRIATE INDUSTRIES & APPLICATIONS

- POTABLE WATER SUPPLY
- CHEMICAL INDUSTRY
- PETROCHEMICAL INDUSTRY
- PHARMACEUTICAL INDUSTRY
- FOOD INDUSTRY
- REFRIGERATION AND COOLING
- COMPRESSORS AND PUMPS
- VALVES

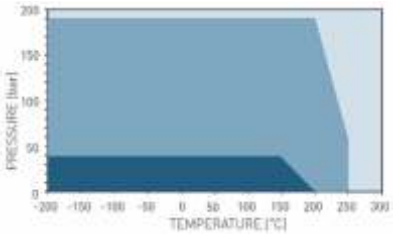
Composition	PTFE
Color	White
Approvals	Please inquire.

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm³	0.8
Compressibility	ASTM F36J	%	55
Recovery	ASTM F36J	%	12
Tensile strength	ASTM F152	MPa	32
Stress resistance	DIN 52913		
30 MPa, 16 h, 150 °C		MPa	16
Specific leak rate	DIN 3535-6	mg/(s·m)	0.002
pH range			0-14
Operating conditions			
Minimum temperature		°C/°F	-200/-328
Maximum temperature		°C/°F	260/500
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 - Under common installation practices and chemical compatibility.
- Conditional suitability - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability - Technical consultation is mandatory.

P-T diagrams indicate the maximum permissible combination of internal pressure and service temperature which can be simultaneously applied for a given gasket according its material type, thickness, size and tightness class. Given the wide variety of gasket applications and service conditions, these values should only be regarded as guidance for the proper gasket assembly. In general, thinner gaskets exhibit better P-T properties.

Standard dimension of sheets	Size (mm): 1500 x 1500 Thickness (mm): 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 Other sizes and thicknesses available on request.

Acetamide	+	Dioxane	+	Oleic acid	+
Acetic acid, 10%	+	Diphyl (Dowtherm A)	+	Oleum (Sulfuric acid, fuming)	+
Acetic acid, 100% (Glacial)	+	Esters	+	Oxalic acid	+
Acetone	+	Ethane (gas)	+	Oxygen (gas)	+
Acetonitrile	+	Ethers	+	Palmitic acid	+
Acetylene (gas)	+	Ethyl acetate	+	Paraffin oil	+
Acid chlorides	+	Ethyl alcohol (Ethanol)	+	Pentane	+
Acrylic acid	+	Ethyl cellulose	+	Perchloroethylene	+
Acrylonitrile	+	Ethyl chloride (gas)	+	Petroleum (Crude oil)	+
Adipic acid	+	Ethylene (gas)	+	Phenol (Carbolic acid)	+
Air (gas)	+	Ethylene glycol	+	Phosphoric acid, 40%	+
Alcohols	+	Formaldehyde (Formalin)	+	Phosphoric acid, 85%	+
Aldehydes	+	Formamide	+	Phthalic acid	+
Alum	+	Formic acid, 10%	+	Potassium acetate	+
Aluminium acetate	+	Formic acid, 85%	+	Potassium bicarbonate	+
Aluminium chlorate	+	Formic acid, 100%	+	Potassium carbonate	+
Aluminium chloride	+	Freon-12 (R-12)	+	Potassium chloride	+
Aluminium sulfate	+	Freon-134a (R-134a)	+	Potassium cyanide	+
Amines	+	Freon-22 (R-22)	+	Potassium dichromate	?
Ammonia (gas)	+	Fruit juices	+	Potassium hydroxide	+
Ammonium bicarbonate	+	Fuel oil	+	Potassium iodide	+
Ammonium chloride	+	Gasoline	+	Potassium nitrate	+
Ammonium hydroxide	+	Gelatin	+	Potassium permanganate	+
Amyl acetate	+	Glycerine (Glycerol)	+	Propane (gas)	+
Anhydrides	+	Glycols	+	Propylene (gas)	+
Aniline	+	Helium (gas)	+	Pyridine	+
Anisole	+	Heptane	+	Salicylic acid	+
Argon (gas)	+	Hydraulic oil (Glycol based)	+	Seawater/brine	+
Asphalt	+	Hydraulic oil (Mineral type)	+	Silicones (oil/grease)	+
Barium chloride	+	Hydraulic oil (Phosphate ester based)	+	Soaps	+
Benzaldehyde	+	Hydrazine	+	Sodium aluminate	+
Benzene	+	Hydrocarbons	+	Sodium bicarbonate	+
Benzoic acid	+	Hydrochloric acid, 10%	+	Sodium bisulfite	+
Bio-diesel	+	Hydrochloric acid, 37%	+	Sodium carbonate	+
Bio-ethanol	+	Hydrofluoric acid, 10%	-	Sodium chloride	+
Black liquor	+	Hydrofluoric acid, 48%	-	Sodium cyanide	+
Borax	+	Hydrogen (gas)	+	Sodium hydroxide	+
Boric acid	+	Iron sulfate	+	Sodium hypochlorite (Bleach)	+
Butadiene (gas)	+	Isobutane (gas)	+	Sodium silicate (Water glass)	+
Butane (gas)	+	Isooctane	+	Sodium sulfate	+
Butyl alcohol (Butanol)	+	Isoprene	+	Sodium sulfide	+
Butyric acid	+	Isopropyl alcohol (Isopropanol)	+	Starch	+
Calcium chloride	+	Kerosene	+	Steam	+
Calcium hydroxide	+	Ketones	+	Stearic acid	+
Carbon dioxide (gas)	+	Lactic acid	+	Styrene	+
Carbon monoxide (gas)	+	Lead acetate	+	Sugars	+
Cellosolve	+	Lead arsenate	+	Sulfur	+
Chlorine (gas)	+	Magnesium sulfate	+	Sulfur dioxide (gas)	+
Chlorine (in water)	+	Maleic acid	+	Sulfuric acid, 20%	+
Chlorobenzene	+	Malic acid	+	Sulfuric acid, 98%	?
Chloroform	+	Methane (gas)	+	Sulfuryl chloride	?
Chloroprene	+	Methyl alcohol (Methanol)	+	Tar	+
Chlorosilanes	+	Methyl chloride (gas)	+	Tartaric acid	+
Chromic acid	+	Methylene dichloride	+	Tetrahydrofuran (THF)	+
Citric acid	+	Methyl ethyl ketone (MEK)	+	Titanium tetrachloride	+
Copper acetate	+	N-Methyl-pyrrolidone (NMP)	+	Toluene	+
Copper sulfate	+	Milk	+	2,4-Toluenediisocyanate	+
Creosote	+	Mineral oil (ASTM no.1)	+	Transformer oil (Mineral type)	+
Cresols (Cresylic acid)	+	Motor oil	+	Trichloroethylene	+
Cyclohexane	+	Naphtha	+	Vinegar	+
Cyclohexanol	+	Nitric acid, 10%	+	Vinyl chloride (gas)	+
Cyclohexanone	+	Nitric acid, 65%	+	Vinylidene chloride	+
Decalin	+	Nitrobenzene	+	Water	+
Dextrin	+	Nitrogen (gas)	+	White spirits	+
Dibenzyl ether	+	Nitrous gases (NOx)	+	Xylenes	+
Dibutyl phthalate	+	Octane	+	Xylenol	+
Dimethylacetamide (DMA)	+	Oils (Essential)	+	Zinc sulfate	+
Dimethylformamide (DMF)	+	Oils (Vegetable)	+		

All information and data quoted are based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.

CHEMICAL RESISTANCE CHART

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

\+ Recommended
? Recommendation depends on operating conditions
\- Not recommended

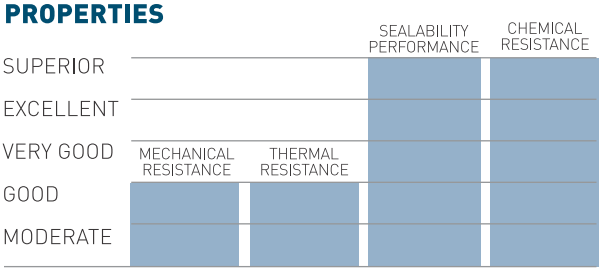
DONIT TESNIT, d.o.o.
Cesta komandanta Staneta 38
1215 Medvode, Slovenia
Phone: +386 (0)1 582 33 00
Fax: +386 (0)1 582 32 06
+386 (0)1 582 32 08
Web: www.donit.eu
E-mail: info@donit.eu

Date of issue: 05.2018 / CB-05-2018-Doniflon

DONIT® | DONIFLON® 2010

DONIFLON® 2010 has a superior chemical resistance to nearly all media with the exception of molten alkali metals and fluorine compounds. DONIFLON® 2010 is recommended for the pharmaceutical and food industries. Its high compressibility enables very good adaptability to pressure sensitive connections like ceramic-, glass-, or plastic-lined piping or uneven flanges. It has enhanced creep performance compared to virgin PTFE materials.

PROPERTIES



APPROPRIATE INDUSTRIES & APPLICATIONS

- POTABLE WATER SUPPLY
- STEAM SUPPLY
- GAS SUPPLY
- CHEMICAL INDUSTRY
- PETROCHEMICAL INDUSTRY
- PHARMACEUTICAL INDUSTRY
- FOOD INDUSTRY
- REFRIGERATION AND COOLING
- COMPRESSORS AND PUMPS
- VALVES

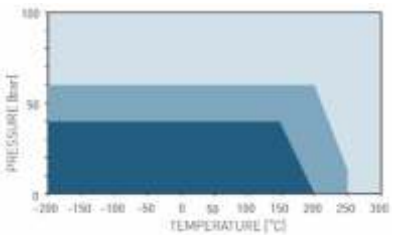
Composition	PTFE, hollow glass microbeads.
Color	Blue
Approvals	Please inquire.

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm³	1.5
Compressibility	ASTM F36J	%	35
Recovery	ASTM F36J	%	40
Tensile strength	ASTM F152	MPa	14
Stress resistance	DIN 52913		
30 MPa, 16 h, 150 °C		MPa	14
Specific leak rate	DIN 3535-6	mg/(s·m)	0.002
pH range			0-14
Operating conditions			
Minimum temperature		°C/°F	-200/-328
Maximum temperature		°C/°F	260/500
Pressure		bar/psi	60/870

P-T DIAGRAM

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



- General suitability - Under common installation practices and chemical compatibility.
- Conditional suitability - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability - Technical consultation is mandatory.

P-T diagrams indicate the maximum permissible combination of internal pressure and service temperature which can be simultaneously applied for a given gasket according its material type, thickness, size and tightness class. Given the wide variety of gasket applications and service conditions, these values should only be regarded as guidance for the proper gasket assembly. In general, thinner gaskets exhibit better P-T properties.

Standard dimension of sheets	Size (mm): 1500 x 1500 Thickness (mm): 1.5 | 2.0 | 3.0 Other sizes and thicknesses available on request.

Acetamide	+	Dioxane	+	Oleic acid	+
Acetic acid, 10%	+	Diphyl (Dowtherm A)	+	Oleum (Sulfuric acid, fuming)	+
Acetic acid, 100% (Glacial)	+	Esters	+	Oxalic acid	+
Acetone	+	Ethane (gas)	+	Oxygen (gas)	+
Acetonitrile	+	Ethers	+	Palmitic acid	+
Acetylene (gas)	+	Ethyl acetate	+	Paraffin oil	+
Acid chlorides	+	Ethyl alcohol (Ethanol)	+	Pentane	+
Acrylic acid	+	Ethyl cellulose	+	Perchloroethylene	+
Acrylonitrile	+	Ethyl chloride (gas)	+	Petroleum (Crude oil)	+
Adipic acid	+	Ethylene (gas)	+	Phenol (Carbolic acid)	+
Air (gas)	+	Ethylene glycol	+	Phosphoric acid, 40%	+
Alcohols	+	Formaldehyde (Formalin)	+	Phosphoric acid, 85%	+
Aldehydes	+	Formamide	+	Phthalic acid	+
Alum	+	Formic acid, 10%	+	Potassium acetate	+
Aluminium acetate	+	Formic acid, 85%	+	Potassium bicarbonate	+
Aluminium chlorate	+	Formic acid, 100%	+	Potassium carbonate	+
Aluminium chloride	+	Freon-12 (R-12)	+	Potassium chloride	+
Aluminium sulfate	+	Freon-134a (R-134a)	+	Potassium cyanide	+
Amines	+	Freon-22 (R-22)	+	Potassium dichromate	?
Ammonia (gas)	+	Fruit juices	+	Potassium hydroxide	+
Ammonium bicarbonate	+	Fuel oil	+	Potassium iodide	+
Ammonium chloride	+	Gasoline	+	Potassium nitrate	+
Ammonium hydroxide	+	Gelatin	+	Potassium permanganate	+
Amyl acetate	+	Glycerine (Glycerol)	+	Propane (gas)	+
Anhydrides	+	Glycols	+	Propylene (gas)	+
Aniline	+	Helium (gas)	+	Pyridine	+
Anisole	+	Heptane	+	Salicylic acid	+
Argon (gas)	+	Hydraulic oil (Glycol based)	+	Seawater/brine	+
Asphalt	+	Hydraulic oil (Mineral type)	+	Silicones (oil/grease)	+
Barium chloride	+	Hydraulic oil (Phosphate ester based)	+	Soaps	+
Benzaldehyde	+	Hydrazine	+	Sodium aluminate	+
Benzene	+	Hydrocarbons	+	Sodium bicarbonate	+
Benzoic acid	+	Hydrochloric acid, 10%	+	Sodium bisulfite	+
Bio-diesel	+	Hydrochloric acid, 37%	+	Sodium carbonate	+
Bio-ethanol	+	Hydrofluoric acid, 10%	-	Sodium chloride	+
Black liquor	+	Hydrofluoric acid, 48%	-	Sodium cyanide	+
Borax	+	Hydrogen (gas)	+	Sodium hydroxide	+
Boric acid	+	Iron sulfate	+	Sodium hypochlorite (Bleach)	+
Butadiene (gas)	+	Isobutane (gas)	+	Sodium silicate (Water glass)	+
Butane (gas)	+	Isooctane	+	Sodium sulfate	+
Butyl alcohol (Butanol)	+	Isoprene	+	Sodium sulfide	+
Butyric acid	+	Isopropyl alcohol (Isopropanol)	+	Starch	+
Calcium chloride	+	Kerosene	+	Steam	+
Calcium hydroxide	+	Ketones	+	Stearic acid	+
Carbon dioxide (gas)	+	Lactic acid	+	Styrene	+
Carbon monoxide (gas)	+	Lead acetate	+	Sugars	+
Cellosolve	+	Lead arsenate	+	Sulfur	+
Chlorine (gas)	+	Magnesium sulfate	+	Sulfur dioxide (gas)	+
Chlorine (in water)	+	Maleic acid	+	Sulfuric acid, 20%	+
Chlorobenzene	+	Malic acid	+	Sulfuric acid, 98%	?
Chloroform	+	Methane (gas)	+	Sulfuryl chloride	?
Chloroprene	+	Methyl alcohol (Methanol)	+	Tar	+
Chlorosilanes	+	Methyl chloride (gas)	+	Tartaric acid	+
Chromic acid	+	Methylene dichloride	+	Tetrahydrofuran (THF)	+
Citric acid	+	Methyl ethyl ketone (MEK)	+	Titanium tetrachloride	+
Copper acetate	+	N-Methyl-pyrrolidone (NMP)	+	Toluene	+
Copper sulfate	+	Milk	+	2,4-Toluenediisocyanate	+
Creosote	+	Mineral oil (ASTM no.1)	+	Transformer oil (Mineral type)	+
Cresols (Cresylic acid)	+	Motor oil	+	Trichloroethylene	+
Cyclohexane	+	Naphtha	+	Vinegar	+
Cyclohexanol	+	Nitric acid, 10%	+	Vinyl chloride (gas)	+
Cyclohexanone	+	Nitric acid, 65%	+	Vinylidene chloride	+
Decalin	+	Nitrobenzene	+	Water	+
Dextrin	+	Nitrogen (gas)	+	White spirits	+
Dibenzyl ether	+	Nitrous gases (NOx)	+	Xylenes	+
Dibutyl phthalate	+	Octane	+	Xylenol	+
Dimethylacetamide (DMA)	+	Oils (Essential)	+	Zinc sulfate	+
Dimethylformamide (DMF)	+	Oils (Vegetable)	+		

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CHEMICAL RESISTANCE CHART

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

\+ Recommended
? Recommendation depends on operating conditions
\- Not recommended

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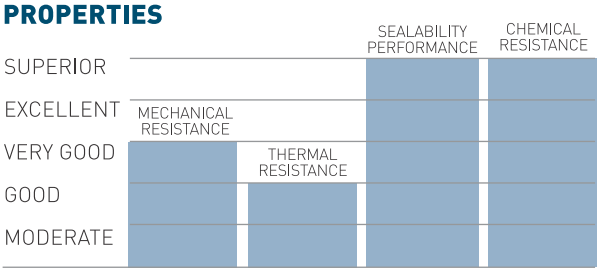
Phone: +386 (0)1 582 33 00
Fax: +386 (0)1 582 32 06
+386 (0)1 582 32 08
Web: www.donit.eu
E-mail: info@donit.eu

Date of issue: 05.2018 / CB-05-2018-Doniflon

DONIT® | DONIFLON® 2020

DONIFLON® 2020 has a superior chemical resistance to neary all media, especially for concetrated inorganic acids. Not suitable for molten alkali metals and fluorine compounds. DONIFLON® 2020 is recommended for the pharmaceutical and food industries. It has enhanced creep performance compared to virgin PTFE materials.

PROPERTIES



APPROPRIATE INDUSTRIES & APPLICATIONS

- GENERAL PURPOSE
- POTABLE WATER SUPPLY
- STEAM SUPPLY
- GAS SUPPLY
- CHEMICAL INDUSTRY
- PETROCHEMICAL INDUSTRY
- PHARMACEUTICAL INDUSTRY
- FOOD INDUSTRY
- REFRIGERATION AND COOLING
- COMPRESSORS AND PUMPS
- VALVES

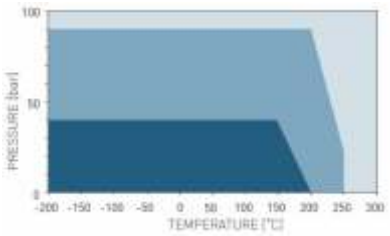
Composition	PTFE, silica.
Color	Pink
Approvals	Please inquire.

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm³	2.1
Compressibility	ASTM F36J	%	7
Recovery	ASTM F36J	%	45
Tensile strength	ASTM F152	MPa	14
Stress resistance	DIN 52913		
30 MPa, 16 h, 150 °C		MPa	13
Specific leak rate	DIN 3535-6	mg/(s·m)	0.002
pH range			0-14
Operating conditions			
Minimum temperature		°C/°F	-200/-328
Maximum temperature		°C/°F	260/500
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 - Under common installation practices and chemical compatibility.
- Conditional suitability - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability - Technical consultation is mandatory.

P-T diagrams indicate the maximum permissible combination of internal pressure and service temperature which can be simultaneously applied for a given gasket according its material type, thickness, size and tightness class. Given the wide variety of gasket applications and service conditions, these values should only be regarded as guidance for the proper gasket assembly. In general, thinner gaskets exhibit better P-T properties.

Standard dimension of sheets	Size (mm): 1500 x 1500 Thickness (mm): 1.5 | 2.0 | 3.0 Other sizes and thicknesses available on request.

Acetamide	+	Dioxane	+	Oleic acid	+
Acetic acid, 10%	+	Diphyl (Dowtherm A)	+	Oleum (Sulfuric acid, fuming)	+
Acetic acid, 100% (Glacial)	+	Esters	+	Oxalic acid	+
Acetone	+	Ethane (gas)	+	Oxygen (gas)	+
Acetonitrile	+	Ethers	+	Palmitic acid	+
Acetylene (gas)	+	Ethyl acetate	+	Paraffin oil	+
Acid chlorides	+	Ethyl alcohol (Ethanol)	+	Pentane	+
Acrylic acid	+	Ethyl cellulose	+	Perchloroethylene	+
Acrylonitrile	+	Ethyl chloride (gas)	+	Petroleum (Crude oil)	+
Adipic acid	+	Ethylene (gas)	+	Phenol (Carbolic acid)	+
Air (gas)	+	Ethylene glycol	+	Phosphoric acid, 40%	+
Alcohols	+	Formaldehyde (Formalin)	+	Phosphoric acid, 85%	+
Aldehydes	+	Formamide	+	Phthalic acid	+
Alum	+	Formic acid, 10%	+	Potassium acetate	+
Aluminium acetate	+	Formic acid, 85%	+	Potassium bicarbonate	+
Aluminium chlorate	+	Formic acid, 100%	+	Potassium carbonate	+
Aluminium chloride	+	Freon-12 (R-12)	+	Potassium chloride	+
Aluminium sulfate	+	Freon-134a (R-134a)	+	Potassium cyanide	+
Amines	+	Freon-22 (R-22)	+	Potassium dichromate	?
Ammonia (gas)	+	Fruit juices	+	Potassium hydroxide	?
Ammonium bicarbonate	+	Fuel oil	+	Potassium iodide	+
Ammonium chloride	+	Gasoline	+	Potassium nitrate	+
Ammonium hydroxide	+	Gelatin	+	Potassium permanganate	+
Amyl acetate	+	Glycerine (Glycerol)	+	Propane (gas)	+
Anhydrides	+	Glycols	+	Propylene (gas)	+
Aniline	+	Helium (gas)	+	Pyridine	+
Anisole	+	Heptane	+	Salicylic acid	+
Argon (gas)	+	Hydraulic oil (Glycol based)	+	Seawater/brine	+
Asphalt	+	Hydraulic oil (Mineral type)	+	Silicones (oil/grease)	+
Barium chloride	+	Hydraulic oil (Phosphate ester based)	+	Soaps	+
Benzaldehyde	+	Hydrazine	+	Sodium aluminate	?
Benzene	+	Hydrocarbons	+	Sodium bicarbonate	+
Benzoic acid	+	Hydrochloric acid, 10%	+	Sodium bisulfite	+
Bio-diesel	+	Hydrochloric acid, 37%	+	Sodium carbonate	+
Bio-ethanol	+	Hydrofluoric acid, 10%	-	Sodium chloride	+
Black liquor	+	Hydrofluoric acid, 48%	-	Sodium cyanide	+
Borax	+	Hydrogen (gas)	+	Sodium hydroxide	?
Boric acid	+	Iron sulfate	+	Sodium hypochlorite (Bleach)	?
Butadiene (gas)	+	Isobutane (gas)	+	Sodium silicate (Water glass)	+
Butane (gas)	+	Isooctane	+	Sodium sulfate	+
Butyl alcohol (Butanol)	+	Isoprene	+	Sodium sulfide	+
Butyric acid	+	Isopropyl alcohol (Isopropanol)	+	Starch	+
Calcium chloride	+	Kerosene	+	Steam	+
Calcium hydroxide	+	Ketones	+	Stearic acid	+
Carbon dioxide (gas)	+	Lactic acid	+	Styrene	+
Carbon monoxide (gas)	+	Lead acetate	+	Sugars	+
Cellosolve	+	Lead arsenate	+	Sulfur	+
Chlorine (gas)	+	Magnesium sulfate	+	Sulfur dioxide (gas)	+
Chlorine (in water)	+	Maleic acid	+	Sulfuric acid, 20%	+
Chlorobenzene	+	Malic acid	+	Sulfuric acid, 98%	?
Chloroform	+	Methane (gas)	+	Sulfuryl chloride	?
Chloroprene	+	Methyl alcohol (Methanol)	+	Tar	+
Chlorosilanes	+	Methyl chloride (gas)	+	Tartaric acid	+
Chromic acid	+	Methylene dichloride	+	Tetrahydrofuran (THF)	+
Citric acid	+	Methyl ethyl ketone (MEK)	+	Titanium tetrachloride	?
Copper acetate	+	N-Methyl-pyrrolidone (NMP)	+	Toluene	+
Copper sulfate	+	Milk	+	2,4-Toluenediisocyanate	+
Creosote	+	Mineral oil (ASTM no.1)	+	Transformer oil (Mineral type)	+
Cresols (Cresylic acid)	+	Motor oil	+	Trichloroethylene	+
Cyclohexane	+	Naphtha	+	Vinegar	+
Cyclohexanol	+	Nitric acid, 10%	+	Vinyl chloride (gas)	+
Cyclohexanone	+	Nitric acid, 65%	+	Vinylidene chloride	+
Decalin	+	Nitrobenzene	+	Water	+
Dextrin	+	Nitrogen (gas)	+	White spirits	+
Dibenzyl ether	+	Nitrous gases (NOx)	+	Xylenes	+
Dibutyl phthalate	+	Octane	+	Xylenol	+
Dimethylacetamide (DMA)	+	Oils (Essential)	+	Zinc sulfate	+
Dimethylformamide (DMF)	+	Oils (Vegetable)	+		

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CHEMICAL RESISTANCE CHART

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

\+ Recommended
? Recommendation depends on operating conditions
\- Not recommended

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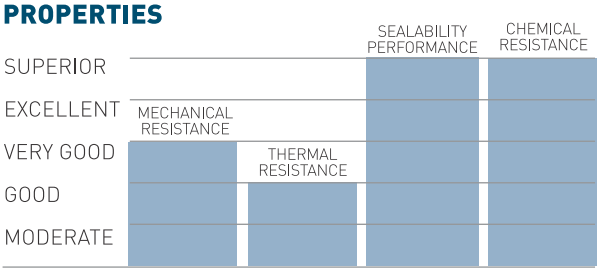
Cesta komandanta Staneta 38
1215 Medvode, Slovenia
Phone: +386 (0)1 582 33 00
Fax: +386 (0)1 582 32 06
+386 (0)1 582 32 08
Web: www.donit.eu
E-mail: info@donit.eu

Date of issue: 05.2018 / CB-05-2018-Doniflon

DONIT® | DONIFLON® 2030

DONIFLON® 2030 has a superior chemical resistance to neary all media, especially for strong alkalis. Not suitable for molten alkali metals and fluorine compounds. DONIFLON® 2030 is recommended for the pharmaceutical and food industries. It has enhanced creep performance compared to virgin PTFE materials.

PROPERTIES



APPROPRIATE INDUSTRIES & APPLICATIONS

- POTABLE WATER SUPPLY
- STEAM SUPPLY
- GAS SUPPLY
- CHEMICAL INDUSTRY
- PETROCHEMICAL INDUSTRY
- PHARMACEUTICAL INDUSTRY
- FOOD INDUSTRY
- PAPER AND CELLULOSE INDUSTRY
- REFRIGERATION AND COOLING
- COMPRESSORS AND PUMPS
- VALVES

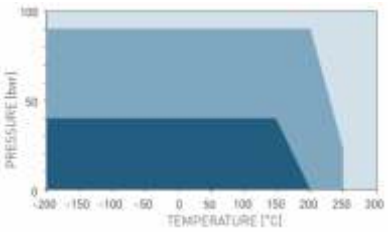
Composition	PTFE, barium sulfate.
Color	White
Approvals	Please inquire.

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm³	3.0
Compressibility	ASTM F36J	%	6
Recovery	ASTM F36J	%	40
Tensile strength	ASTM F152	MPa	10
Stress resistance	DIN 52913		
30 MPa, 16 h, 150 °C		MPa	13
Specific leak rate	DIN 3535-6	mg/(s·m)	0.002
pH range			0-14
Operating conditions			
Minimum temperature		°C/°F	-200/-328
Maximum temperature		°C/°F	260/500
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 - Under common installation practices and chemical compatibility.
- Conditional suitability - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability - Technical consultation is mandatory.

Standard dimension of sheets	Size (mm): 1500 x 1500 Thickness (mm): 1.5 | 2.0 | 3.0 Other sizes and thicknesses available on request.

Acetamide	+
Acetic acid, 10%	+
Acetic acid, 100% (Glacial)	+
Acetone	+
Acetonitrile	+
Acetylene (gas)	+
Acid chlorides	+
Acrylic acid	+
Acrylonitrile	+
Adipic acid	+
Air (gas)	+
Alcohols	+
Aldehydes	+
Alum	+
Aluminium acetate	+
Aluminium chlorate	+
Aluminium chloride	+
Aluminium sulfate	+
Amines	+
Ammonia (gas)	+
Ammonium bicarbonate	+
Ammonium chloride	+
Ammonium hydroxide	+
Amyl acetate	+
Anhydrides	+
Aniline	+
Anisole	+
Argon (gas)	+
Asphalt	+
Barium chloride	+
Benzaldehyde	+
Benzene	+
Benzoic acid	+
Bio-diesel	+
Bio-ethanol	+
Black liquor	+
Borax	+
Boric acid	+
Butadiene (gas)	+
Butane (gas)	+
Butyl alcohol (Butanol)	+
Butyric acid	+
Calcium chloride	+
Calcium hydroxide	+
Carbon dioxide (gas)	+
Carbon monoxide (gas)	+
Cellosolve	+
Chlorine (gas)	+
Chlorine (in water)	+
Chlorobenzene	+
Chloroform	+
Chloroprene	+
Chlorosilanes	+
Chromic acid	+
Citric acid	+
Copper acetate	+
Copper sulfate	+
Creosote	+
Cresols (Cresylic acid)	+
Cyclohexane	+
Cyclohexanol	+
Cyclohexanone	+
Decalin	+
Dextrin	+
Dibenzyl ether	+
Dibutyl phthalate	+
Dimethylacetamide (DMA)	+
Dimethylformamide (DMF)	+

Dioxane	+
Diphyl (Dowtherm A)	+
Esters	+
Ethane (gas)	+
Ethers	+
Ethyl acetate	+
Ethyl alcohol (Ethanol)	+
Ethyl cellulose	+
Ethyl chloride (gas)	+
Ethylene (gas)	+
Ethylene glycol	+
Formaldehyde (Formalin)	+
Formamide	+
Formic acid, 10%	+
Formic acid, 85%	+
Formic acid, 100%	+
Freon-12 (R-12)	+
Freon-134a (R-134a)	+
Freon-22 (R-22)	+
Fruit juices	+
Fuel oil	+
Gasoline	+
Gelatin	+
Glycerine (Glycerol)	+
Glycols	+
Helium (gas)	+
Heptane	+
Hydraulic oil (Glycol based)	+
Hydraulic oil (Mineral type)	+
Hydraulic oil (Phosphate ester based)	+
Hydrazine	+
Hydrocarbons	+
Hydrochloric acid, 10%	+
Hydrochloric acid, 37%	+
Hydrofluoric acid, 10%	-
Hydrofluoric acid, 48%	-
Hydrogen (gas)	+
Iron sulfate	+
Isobutane (gas)	+
Isooctane	+
Isoprene	+
Isopropyl alcohol (Isopropanol)	+
Kerosene	+
Ketones	+
Lactic acid	+
Lead acetate	+
Lead arsenate	+
Magnesium sulfate	+
Maleic acid	+
Malic acid	+
Methane (gas)	+
Methyl alcohol (Methanol)	+
Methyl chloride (gas)	+
Methylene dichloride	+
Methyl ethyl ketone (MEK)	+
N-Methyl-pyrrolidone (NMP)	+
Milk	+
Mineral oil (ASTM no.1)	+
Motor oil	+
Naphtha	+
Nitric acid, 10%	+
Nitric acid, 65%	+
Nitrobenzene	+
Nitrogen (gas)	+
Nitrous gases (NOx)	+
Octane	+
Oils (Essential)	+
Oils (Vegetable)	+

Oleic acid	+
Oleum (Sulfuric acid, fuming)	+
Oxalic acid	+
Oxygen (gas)	+
Palmitic acid	+
Paraffin oil	+
Pentane	+
Perchloroethylene	+
Petroleum (Crude oil)	+
Phenol (Carbolic acid)	+
Phosphoric acid, 40%	+
Phosphoric acid, 85%	+
Phthalic acid	+
Potassium acetate	+
Potassium bicarbonate	+
Potassium carbonate	+
Potassium chloride	+
Potassium cyanide	+
Potassium dichromate	?
Potassium hydroxide	?
Potassium iodide	+
Potassium nitrate	+
Potassium permanganate	+
Propane (gas)	+
Propylene (gas)	+
Pyridine	+
Salicylic acid	+
Seawater/brine	+
Silicones (oil/grease)	+
Soaps	+
Sodium aluminate	?
Sodium bicarbonate	+
Sodium bisulfite	+
Sodium carbonate	+
Sodium chloride	+
Sodium cyanide	+
Sodium hydroxide	?
Sodium hypochlorite (Bleach)	?
Sodium silicate (Water glass)	+
Sodium sulfate	+
Sodium sulfide	+
Starch	+
Steam	+
Stearic acid	+
Styrene	+
Sugars	+
Sulfur	+
Sulfur dioxide (gas)	+
Sulfuric acid, 20%	+
Sulfuric acid, 98%	?
Sulfuryl chloride	?
Tar	+
Tartaric acid	+
Tetrahydrofuran (THF)	+
Titanium tetrachloride	?
Toluene	+
2,4-Toluenediisocyanate	+
Transformer oil (Mineral type)	+
Trichloroethylene	+
Vinegar	+
Vinyl chloride (gas)	+
Vinylidene chloride	+
Water	+
White spirits	+
Xylenes	+
Xylenol	+
Zinc sulfate	+

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1215 Medvode, Slovenia
Phone: +386 (0)1 582 33 00
Fax: +386 (0)1 582 32 06
+386 (0)1 582 32 08
Web: www.donit.eu
E-mail: info@donit.eu

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A perfect fit
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Slovenia
DONIT TESNIT, D.O.O.
Cesta komandanta Staneta 38,
1215 Medvode, Slovenia
Phone: +386 (0)1 582 33 00
E-mail: info@donit.eu

China
SUZHOU DONIT SEALING MATERIALS
Import and Export Co., Ltd.
No. 8 Suzhou Avenue West,
Bank of China Building, Room 1904,
SIP, 215021, P.R. China
Phone: +86 (0)512 659 535 29
E-mail: sales.suzhou@donit.eu

India
DONIT TESNIT INDIA
C-406, Mantri Lavendula Mulshi Road,
Bavdan Khurd, Pune - 411 021, India
Phone: +91 20 6520 7558
E-mail: sales.india@donit.eu

Middle East
DONIT TESNIT MIDDLE EAST
E-mail: sales.middleeast@donit.eu

Latin America
DONIT TESNIT LATIN AMERICA
E-mail: sales.latinamerica@donit.eu

North America
DONIT TESNIT NORTH AMERICA LLC
Donit Tesnit North America, LLC
5110 Fulton Industrial Blvd, Suite E
Atlanta, Georgia 30336
Mobile: +1 678-360-8562
Phone: +1 404-696-3998
Fax: +1 877-624-2766
E-mail: donit@donit.us

Slovenia
DONIT TESNIT, D.O.O.
Donit Industrial Sealing Solutions
Paradiž 4, 8210 Trebnje, Slovenia
Phone: +386 (0)8 205 50 44
E-mail: salesgaskets@donit.eu

Belgium
DISS-EUROPE BVBA
Donit Industrial Sealing Solutions
Bannerlaan 50,
2280 Grobbendonk, Belgium
Phone: +32 (0)14 302 100
E-mail: sales@disseurope.be

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