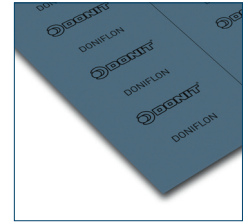


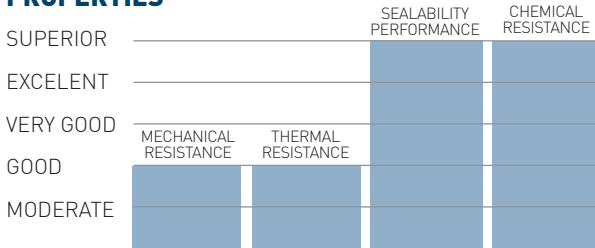


# DONIFLON® 2010



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

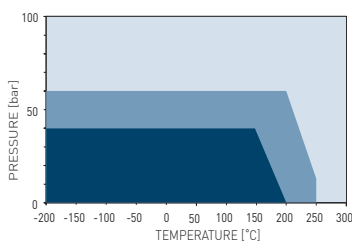
Composition	PTFE, hollow glass microbeads.
Colour	Blue
Approvals	Please inquire.

## TECHNICAL DATA Typical values for a thickness of 2 mm

<b>Density</b>	DIN 28090-2	g/cm <sup>3</sup>	1.5
<b>Compressibility</b>	ASTM F36J	%	35
<b>Recovery</b>	ASTM F36J	%	40
<b>Tensile strength</b>	ASTM F152	MPa	14
<b>Stress resistance</b>	DIN 52913		
30 MPa, 16 h, 150 °C		MPa	14
<b>Specific leak rate</b>	DIN 3535-6	mg/[s·m]	0.002
<b>pH range</b>			0-14
<b>Operating conditions</b>			
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.

Dimensions of standard sheets

Sheet size (mm): 1500 x 1500  
 Thickness (mm): 1.5 | 2.0 | 3.0  
 Other dimensions and thicknesses are 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	+
Cellose	+	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)	+		

## 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



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