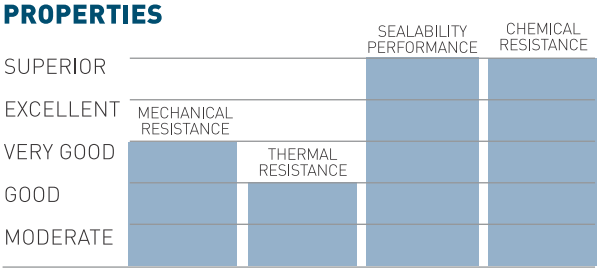
DONIT® | DONIFLON® 2030

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

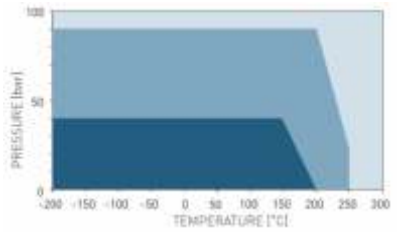
Composition	PTFE, barium sulfate.
Color	White
Approvals	Please inquire.

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	+

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

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