

# thoenes<sup>®</sup> DO181

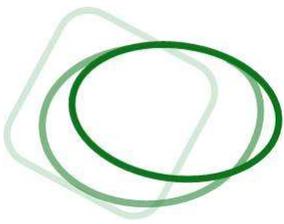
**thoenes<sup>®</sup> DO181** is a sealing material based on aramid and graphite. The graphite gives the sealing material a good thermal and chemical resistance, the aramid the corresponding strength. Furthermore, the material is characterised by its high compressibility despite low density, its good stress resistance and its flexibility.

- Basis:** Aramid fibre, natural graphite, inorganic fillers, NBR
- Colour:** Grey
- Surface coating:** Standard - without non-stick coating  
Other coatings on request
- Certifications:** AMTEC TA-Luft (VDI 2440)
- Applications:** Wide range of applications, especially for steam supply, chemicals and heating system. Use in flanges, valves, pumps, compressors, heat exchangers in power plants.

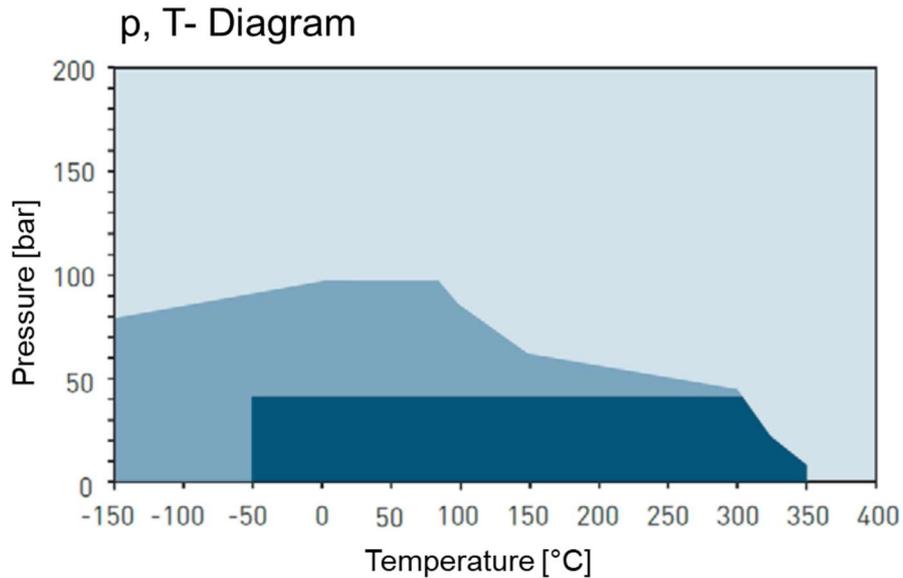
## Technical specifications (typical values at 2 mm thickness)

Description	DIN 28091-2		FA-AC1-0
<b>Density</b>	DIN 28090-2	g/cm <sup>3</sup>	1.2
<b>Compressibility</b>	ASTM F 36/J	%	35
<b>Resilience</b>	ASTM F 36/J	%	17
<b>Tensile strength</b>	ASTM F152	MPa	4.5
<b>Pressure resistance</b>	DIN 52913		
50 MPa, T= 175°C, 16 h		MPa	40
50 MPa, T= 300°C, 16 h		MPa	35
<b>Media resistance in Oil IRM 903, 5 h, 150 °C</b>	ASTM F 146		
Thickness increase		%	3
Weight increase		%	30
<b>Media resistance in ASTM fuel B, 5 h, 23 °C</b>	ASTM F 146		
Thickness increase		%	2
Weight increase		%	25
<b>Specific leakage rate</b>	DIN 3535/6	mg/m*s	0.5
<b>Creep deformation</b>			
Change in thickness at 20 °C, 50 MPa		%	33
Change in thickness at 300 °C, 50 MPa		%	8
Change in thickness at 400 °C, 50 MPa		%	17
<b>Cold compression value <math>\epsilon_{KSW}</math></b>	DIN 28090-2	%	26
<b>Cold rebound value <math>\epsilon_{KRW}</math></b>	DIN 28090-2	%	3.0
<b>Warm setting value <math>\epsilon_{WSW/200\text{ °C}}</math></b>	DIN 28090-2	%	5
<b>Warm rebound value <math>\epsilon_{WRW/200\text{ °C}}</math></b>	DIN 28090-2	%	0.5

- Dimensions:** Plate sizes \* 1500 mm x 1480 mm; 2000 mm x 1480 mm
- Thickness \* 0.5 mm; 1.0 mm; 1.5 mm; 2.0 mm; 3.0 mm
- \* Different sizes and thicknesses on request



### Recommendations for use



- 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.

*The indicated temperatures and pressures are peak values and should not be used simultaneously. The information can only serve as a guideline, as these are not only dependent on the sealing material, but also on the installation conditions. Very important influencing factors are: seal thickness, type of medium, flange type and surface stress. Special care should be taken with steam applications. In case of doubt, our experts are always ready to find the optimal sealing solution for the application.*

Chemical resistance chart

Legend

<input checked="" type="checkbox"/>	Resistant
<input checked="" type="checkbox"/>	Resistance/ recommendation depends on operation conditions
<input checked="" type="checkbox"/>	Not resistant

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

The recommendations made here serve only as a guideline for the selection of a suitable gasket. Since the function and durability of a gasket depends on a large number of factors, the information provided cannot be used to substantiate warranty claims. If there are special approval regulations, these must be observed.