Chemical resistance certificates

Nitrile drain cover NDC

Resistance levels:

A resistant
B resistant for at least 3 hours
C non-resistant

NDC is designed for rapid deployment in emergencies, when it is often impossible to accurately determine the leaking substance.

Name of substance	Resistance level at the temperature of 20 °C
Acetaldehyde	C
Acetone	B
Amines	B
Ammonia (anhydrous)	B
Ammonia (aqueous solution)	B
Amyl alcohol (pentanol)	A
Chromic acid anhydride	A
Acetic anhydride	B
Liquid asphalt	C
Paint, lacquer	A
Cottonseed oil	A
Benzene	A
Gasoline	A
Borax	A
Sodium borate	A
Boric oil	A
Bromine (dry)	C
Bromine (wet)	C
Potassium bromide	A
Butadiene	A
Butane	A
Butyl alcohol (butanol)	A
Butylene	A
Distilled water	A
Potassium diphosphate	A
Sodium diphosphate	A
Dichloroethane	B
Ammonium nitrate	A
Copper(II) nitrate	A
Nickel(II) nitrate	A
Sodium nitrate	A
Silver nitrate	A
Nitrogen	A
Ethyl alcohol (ethanol)	A
Ethylene oxide	C
Ethyl chloride	A
Phenol	B
Aluminum fluoride	A
Formaldehyde	A
Ammonium phosphate	A
Divalent ammonium phosphate	A
Trivalent ammonium phosphate	A
Sodium phosphate	A
Divalent sodium phosphate	A
Freon 11-12-21-22-TE	B
Glucose	A
Glycerin	A
Ethylene glycol	B
Calcium bisulfate	A
Potassium bisulfite	A
Sodium bisulfite	A

Name of substance	Resistance level at the temperature of 20 °C
Ammonium bicarbonate	A
Ammonium hydroxide	A
Barium hydroxide	A
Potassium hydroxide	A
Magnesium hydroxide	A
Sodium hydroxide	A
Calcium hydroxide	A
Chlorine (anhydrous)	A
Chlorine (dry)	B
Potassium chlorate	A
Ammonium chloride	A
Barium chloride	A
Potassium chloride	A
Aluminum chloride	A
Magnesium chloride	A
Copper(I) chloride	A
Nickel(II) chloride	A
Sodium chloride	A
Carbon tetrachloride	C
Calcium chloride	A
Zinc chloride	A
Ferric chloride	A
Ferrous chloride	A
Sodium chlorate	B
Sodium hypochlorite	A
Calcium hypochlorite	A
Chloroform (dry)	C
Hydrogen chloride	A
Isooctane	A
Isopropyl alcohol	A
Potassium iodide	A
Coconut oil	A
Creosote oil	C
Sodium silicate	A
Potassium cyanide	A
Sodium cyanide	A
Arsenic acid	A
Boric acid	A
Hydrobromic acid	A
Citric acid	A
Nitric acid (0–50%)	B
Nitric acid (50–80%)	C
Concentrated nitric acid	C
Fluorosilicic acid	A
Hydrofluoric acid	B
Phosphoric acid	B
Phthalic acid	B
Chromic acid	A
Malic acid	A
Carbolic acid (phenol)	A
Hydrocyanic acid	A

Name of substance	Resistance level at the temperature of 20 °C
Maleic acid	A
Butyric acid	A
Lactic acid	A
Formic acid	A
Acetic acid	B
Oleic acid	B
Palmitic acid	B
Picric acid	C
Salicylic acid	A
Sulfuric acid (0–10%)	B
Sulfuric acid (10–90%)	C
Concentrated sulfuric acid	C
Sulfurous acid	B
Stearic acid	A
Oxalic acid	A
Tannic acid	A
Tartaric acid	A
Sodium bicarbonate	A
Aluminum oxide	A
Sulfur dioxide (dry)	A
Sulfur dioxide (wet)	A
Oxygen	A
Linseed oil	A
Molasses	A
Sodium metasilicate	A
Methane	A
Methyl alcohol	A
Methyl chloride	B
Mineral oil	A
Mineral water	A
Milk	A
Monoammonium phosphate	A
Seawater	A
Soap	A
Diesel fuel	A
Nitrobenzene	C
Vinegar	A
Amyl acetate	B
Methyl acetate	C
Lead acetate	A
Sodium acetate	B
Oleum	C
Fruit juices	A
Magnesium oxide	A
Fuel oil	A
Paraffin (kerosene)	A
Paraformaldehyde	B
Pentane	A
Sodium perborate	A
Hydrogen peroxide	A
Beer	A

Nitrile drain cover NDC

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A resistant
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C non-resistant

Name of substance	Resistance level at the temperature of 20 °C
Groundwater	A
Propane	A
Castor oil	A
Gelatin	A
Paint solvents	B
Mercury	A
Fish oil	A
Gypsum	A
Sulfur	C
Ammonium sulfate	A
Barium sulfate	A
Potassium sulfate	A
Aluminum sulfate	A
Magnesium sulfate	A
Copper(II) sulfate	A
Nickel(II) sulfate	A
Sodium sulfate	A
Zinc sulfate	A
Ferric sulfate	A
Ferrous sulfate	A
Carbon disulfide	C
Sodium sulfite	A
Soda water	A
Soybean oil	A
Mercury salts	A
Salt solution	A
Styrene	B
Barium sulfide	A
Sodium sulfide	A
Turpentine	C
Sodium thiosulfate	A
Toluene	B
Trichloroethylene (dry)	B

Name of substance	Resistance level at the temperature of 20 °C
Trichloroethylene (wet)	B
Coal tar	B
Ammonium carbonate	A
Barium carbonate	A
Potassium carbonate	A
Sodium carbonate	A
Calcium carbonate	A
Hydrocarbons	A
Xylene	C
Natural gas	A

Notice:

Material: Nitrile rubber resistant to common oil products, most mineral oils and plastic grease based on mineral oils, animal and plant oil, fat and hot water.

For indicative assessment of the NDC use suitability the chemical resistance chart has been prepared. In the case of substances not listed here, you will be sent a sample of the material to test resistance directly on request. Substances which are marked with the letter B in the list are erosive to materials to certain extent (see the resistance chart). Erosion depends on the time of effect, conditions, type, concentration and temperature of the substance.

Taking into account large numbers of chemical substances and variety of conditions concerning their application and other influences, this certificate is for indicative purposes only. NDC is designed for fast solutions to emergency accidents and is not designed for permanent solution of chemical substances leakage. In order to come to relevant conclusions concerning the chemical resistance level of a specific chemical substance, it is recommended that you always perform individual resistance testing.

With respect to the aforesaid information, the producer bears no liability concerning any potential damage which may arise in connection to any actions performed while trusting this list only without any binding assessment or testing carried out by the user.