Chemical Resistance of NYCAST Materials

Chemical	Temp.0C	conc.%	rating		Chemical	Temp.0C	conc.%	rating
ACETALDEHYDE	23	40	A		BARIUM HYDROXIDE	23	100	G
ACETAMIDE	23	50	G		BARIUM NITRATE	23	100	G
ACETC ACID	100	2	G		BARIUM SULFATE	23	15	G
ACETIC ACID	100	10	P		BARIUM SULFIDE	23	100	G
ACETIC ACID	23	2	G		BEER	23	100	G
ACETIC ACID	23	10	P		BEET LIQUIDS	23	100	H
ACETICANHYDRIDE	23	100	P		BENZALDEHYDE	23	100	P
ACETONE	23	100	G		BENZALDEHYDE	23	0.3	G
ACETONITRILE	23	100	G		BENZENE	23	100	G
ACETYL CHLORIDE	23	100	P		BENZOIC ACID	23	100	P
ACETYLENE	23	100	G		BENZYL ALCOHOL	23	100	Q
ACRYLONITRILE	23	100	G		BENZVL CHLORIDE	23	100	G
ALLYLALCOHOL	23	100	A		BORAX	23	SAT	G
ALLYL CHLORIDE	23	100	G		BORIC ACID	23	10	A
ALUM	23	SAT	A		BRANDY	23	100	G
ALUMINUM CHLORIDE	23	10	G		BROMINE	23	100	Q
ALUMINUM FLUORIDE	23	100	G		BROMINE	23	10	Q
ALUMINUM HYDROXIDE	23	100	G		BUTANE	23	100	G
ALUMINUM POTASSIUMSULPHATE	23	10	P		BUTANOL	23	100	G
ALUMINUM SULFATE	50	10	G		BUTTER	23	100	G
AMMONIA	23	10	G		BUTIER MILK	23	100	G
AMMONIA	100	10	G		BUTYL ACETATE	23	100	G
AMMONIUM ACETATE	23	100	G		BUTYLENE	23	100	A
AMMONIUM CARBONATE	23	100	G		BUTYLENE GLYCOL	23	100	G
AMMONIUM CHLORIDE	23	10	G		BUTYRIC ACID	23	100	A
AMMONIUM CHLORIDE	23	37	G		CALCIUM BISULFIDE	23	100	G
AMMONIUM FLUORIDE	23	100	G		CALCIUM BISULFITE	50	100	G
AMMONIUM HYDROXIDE	23	40	G		CALCIUM CARBONATE	23	100	G
AMMONIUM NITRATE	23	100	G		CALCIUM CHLORIDE	23	SAT	Q
AMMONIUM PERSULFATE	23	100	Q		CALCIUM CHLORIDE	100	SAT	P
AMMONIUM PHOSPHATE	23	100	G		CALCIUM HYDROXIDE	50	100	G
AMMONIUM SULPHATE	23	100	G		CALCIUM HYPOCHLORITE	23	100	Q
AMMONIUM SULPHIDE	23	100	G		CALCIUM SULFATE	23	100	P
AMYL ACETATE	23	100	G		CAMPHOR	23	100	G
AMYL ALCOHOL	23	100	G		CARBON DISULFIDE	23	100	G
AMYL CHLORIDE	23	100	G		CARBONTETRACHLORIDE	23	100	G
ANILINE	23	100	p		CARBONATED BEVERAGES	23	100	G
ANISEED OIL	23	100	G		CASTOR OIL	23	100	G
ANTIMONY TRICHLORIDE	23	10	P		CATECHOL	23	100	P
AROCHLOR 1248	23	100	G		CATSUP	23	100	G
ARSENIC ACID	23	100	G		CAUSTIC POTASH	23	40	G
BARIUM CHLORIDE	23	15	G		CAUSTIC SODA	23	40	G
BARIUM CHLORIDE	50	100	G		CELLULOSE ACETATE	23	100	G

Key to Rating

G=Good resistance,no long term affects. A=Average resistance, mild affect.

O=Questionable resistance,confirm through testing.

P=Poor resistance,signs of attack,not recommended.

Chemical	Temp.0C	conc.%	rating		Chemical	Temp.0C	conc.%	rating
CHLORIC ACID	23	10	Q		ETHYL ETHER	23	100	G
CHLORINE	23	100	P		ETHYLENE CHLORIDE	23	100	G
CHLORINE	23	5	Q		ETHYLENE DIAMINE	23	100	G
CHLOROACETIC ACID	23	100	P		ETHYLENE GLYCOL	23	85	G
CHLOROBENZENE	23	100	G		ETHYLENE OXIDE	23	100	G
CHLOROBROMOMETHANE	23	100	A		FERRIC CHLORIDE	23	5	G
CHLOROETHANOL	23	100	G		FERRIC CHLORIDE	23	SAT	P
CHLOROFORM	23	100	Q		FERRIC CHLORIDE	100	5	P
CHLOROL HYDRATE	23	AQ.	P		FERRIC NITRATE	23	100	G
CHLOROSULFONIC ACID	23	100	Q		FERRIC SULFATE	23	100	G
CHOCOLATE SYRUP	23	100	G		FERROUS CHLORIDE	23	100	A
CHROMEALUM	23	10	G		FERROUSSULFATE	23	15	P
CHROMIC ACID	23	10	P		FLUORINE	23	100	Q
CITRIC ACID	23	100	P		FLUORSIUCIC ACID	23	100	P
CITRIC ACID	23	10	G		FLUROBORIC ACID	23	100	P
COCOA	23	100	G		FORAMIDE	23	100	A
COCONUT OIL	23	100	G		FORMALDEHYDE	23	30	G
COFFEE	23	100	G		FORMICACID	23	10	P
COPPER CHLORIDE	23	100	G		FREON 11	23	100	G
COPPER CYANIDE	/23	100	G		FREON 113	23	100	G
COPPER NITRATE	23	100	P		FREON12	23	100	G
COPPER SULFATE	23	SAT	G		FREON22	23	100	G
COTTON SEED OIL	23	100	G		FREONTF	23	100	P
CREAM	23	100	G		FRUIT JUICES	23	100	G
CRESOL	23	100	P		FURFUROL	23	100	A
CYCLOHEXANE	23	100	G		GALLIC ACID	23	100	A
CYCLOHEXANOL	23	100	P		GASOLINE	23	100	G
CYCLOHEXANONE	23	100	G		GLUCOSE	23	100	G
DECALIN	23	100	G		GLYCERINE	23	100	G
DEXTRIN	23	100	G		HEPTANE	23	100	G
DIACETONE ALCOHOL ·	23	100	G		HEXANE	23	100	G
DIBUTYL PHTHALATE	23	100	G		HEXYL ALCOHOL	23	100	G
DICHLOROACETIC ACID	23	100	Q		HORSE RADDISH	23	100	G
DICHLOROETHYLENE	23	100	G		HYDROBROMIC ACID	23	10	P
DIESEL OIL	23	100	G		HYDROCHLORIC ACID	23	10	P
DIETHYLAMINE	23	100	G		HYDROFLUOR IC ACID	23	40	P
DIMETHYL FORMAMIDE	23	100	G		HYDROGEN PEROXIDE	23	10	Q
DIOCTYL PHTHALATE	23	100	G		HYDROGEN PEROXIDE	23	2	Q
DIOXANE	23	100	G		HYDROGEN PEROXIDE	23	30	P
DIPHENYL ETHER	23	100	A		HYDROGEN SULFIDE	23	5	G
ETHANOLAMINE	23	100	G		INDIA INK	23	100	G
ETHYLACETATE	50	100	G		IODINE	23	5	P
ETHYL ALCOHOL	23	100	G		IODOFORM	23	100	Q

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Chemical	Temp.0C	conc.%	rating		Chemical	Temp.0C	conc.%	rating
ISOBUTYL ALCOHOL	23	100	G		MILK	23	100	G
ISOOCTANE	23	100	G		MINERAL OIL	23	100	G
ISOPROPYL ACETATAE	23	100	G		MONOCHLOROACETIC ACID	23	10	P
ISOPROPYL ALCOHOL	23	100	G		MOTHBALLS	23	100	G
ISOPROPYL ETHER ·	23	100	G		NAIL POLISH	23	100	G
JAM	23	100	G		NAPHTHALENE	23	100	G
LACTIC ACID	23	50	Q		NICKEL CHLORIDE	23	100	Q
LACTIC ACID	23	90	P		NICKEL SULFATE	23	100	G
LACTIC ACID	23	10	G		NITRIC ACID	23	10	P
LANOLIN	23	100	G		NITROBENZYENE	23	100	A
LEAD ACETATE	23	10	G		NITROMETHANE	23	100	G
LEAD STEARATE	23	100	G		OCTANE	23	100	G
LEAD SULFAMATE	23	100	A		OCTYL ALCOHOL	23	100	G
LEMONJUICE	23	100	A		OIL OF LAVENDER	23	100	G
LINSEED OIL	23	100	G		OIL OF PINE	23	100	G
LIQUERS	23	100	G		OIL OF TERPENT INE	23	100	G
MAGNESIUM CHLORIDE	23	10	G		OLEIC ACID	23	100	G
MAGNESIUM HYDROXIDE	23	10	G		OLIVE OIL	23	100	G
MAGNESIUM NITRATE	23	100	G		OXALIC ACID	23	10	G
MAGNESIUM SULFATE	23	100	G		OZONE	23	1 PPM	G
MALEICACID	23	100	A		OZONE	23	100	Q
MALICACID	23	100	P		PARAFINOIL	23	100	G
MALONICACID	23	100	P		PEANUT OIL	23	100	G
MANGANESE SULFATE	23	10	G		PEPPERMINT OIL	23	100	G
MARGARINE	23	100	G		PERCHLORIC ACID	23	10	P
MAYONISE	23	100	G		PERCHLOROETHYLENE	23	100	G
MELAMINE	23	100	G		PHENOL	23	100	P
MERCURIC CHLORIDE	23	100	G		PHENYLETHYL ALCOHOL	23	100	A
MERCURIC CYANIDE	23	100	G		PHOSPHORIC ACID	23	10	P
MERCUROUS CHLORIDE	23	10	P		PHTALIC ACID	23	100	A
MERCURY	23	100	G		PICRIC ACID	23	100	Q
METHANOL	23	100	G		PINEAPPLE JUICE	23	100	G
METHYL ACETATE	50	100	G		POTASSIUM ACETATAE	100	50	G
METHYL BROMIDE	23	100	G		POTASSIUM BICHROMATE	23	5	G
METHYL CELLOSOLVE	23	100	Q		POTASSIUM BROMIDE	23	10	G
METHYL CHLORIDE	23	100	G		POTASSIUM CHLORATE	23	7	Q
METHYL ISOBUTYL KETONE	23	100	G		POTASSIUM CHLORATE	23	5	A
METHYL ISOPROPYL KETONE	23	100	A		POTASSIUM CHLORIDE	23	100	A
METHYL-DICHLOROACETATE	23	100	Q		POTASSIUM CHROMATE	23	100	G
METHYL-MONOCHLOROACETATE	23	100	Q		POTASSIUM CYANIDE	23	100	G
METHYLENE CHLORIDE	23	100	A		POTASSIUM DICHROMATE	23	100	P
METHYLETHYLKETONE	23	100	G		POTASSIUM FERROCYANIDE	23	30	G
METHYLGLYCOL	23	100	G		POTASSIUM HYPOCHLORIDE	23	100	A

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Chemical	Temp.0C	conc.%	rating		Chemical	Temp.0C	conc.%	rating
POTASSIUM IODIDE	23	10	G		SODIUM SILICATE	23	100	G
POTASSIUM NITRATE	23	10	G		SODIUM SULFIDE	23	10	G
POTASSIU PERMANGANATE	23	1	P		SODIUM SULFITE	23	10	G
POTASSIUM PERSULPHATE	23	100	G		SODIUM SULPHATE	23	10	G
POTASSIUM SULFATE	23	10	G		SODIUM TETRABORATE	23	100	G
POTASSIUM-ALUMINUM SULFATE	23	100	G		SODIUM THIOSULFITE	23	SAT	G
PROPANE	23	100	G		SOYA OIL	23	100	G
PROPANOL	23	100	G		STANNIC CHLORIDE	23	100	A
PROPYLACETATE	23	100	G		STANNOUS CHLOR IDE	23	100	Q
PYRIDINE	23	100	G		STARCH	23	SAT	G
RESORCINOL	23	100	P		STEAR ICACID	23	100	G
RICINUSOIL	23	100	G		STYRENE	23	100	G
ROSE OIL	23	100	G		SUGAR	23	SAT	G
SALICYLIC ACID	23	100	G		SULFUR	23	100	G
SILICONE OILS	23	100	G		SULFUR DIOXIDE	23	5	Q
SILVER NITRATE	23	100	G		SULFUROUS ACID	23	100	P
SOAP	23	10	G		SULPHURIC ACID	23	10	P
SODIUM ACETATE	23	46	G		TALLOW	23	100	G
SODIUM ACETATE	100	46	G		TARTARIC ACID	23	10	G
SODIUM BICHROMATE	23	5	G		TEA	23	100	G
SODIUM BISULFATE	23	10	G		TETRACHLOROETHANE	23	100	Q
SODIUM BISULPHITE	23	100	G		TETRAHYDROFURAN	23	100	G
SODIUM BORATE	23	100	G		THIONYL CHLORIDE	23	100	P
SODIUM BROMIDE	23	10	A		TOLUENE	23	100	G
SODIUM CARBONATE	100	21	G		TRANSFORMER OIL	23	100	G
SODIUM CARBONATE	23	21	G		TRICHLOROETHANE	23	100	Q
SODIUM CHLORATE	23	100	P		TRICHLOROETHYLENE	23	100	G
SODIUM CHLORIDE	23	SAT	G		TRICHLOROETHYLENE	87	100	P
SODIUM CHLORITE	23	5	Q		TRICRESYLPHOSPHATE	50	100	G
SODIUM CHROMATE	23	100	P		TRIETHANOLAMINE	23	100	G
SODIUM CYANIDE	23	100	G		TRIETHYLAMINE	23	100	G
SODIUM FLUORIDE	23	100	A		TRISODIUM PHOSPHATE	23	80	G
SODIUM HYDROSULFITE	23	100	G		TURPENTINE	23	100	G
SODIUM HYPOCHLORITE	23	5	Q		UREA	23	20	G
SODIUM METAPHOSPHATE	23	100	G		VINYL CHLORIDE	23	100	G
SODIUM MONOSULPHIDE	23	2	G		VM&P NAPTHA	23	100	G
SODIUM NITRATE	23	10	G		WINE	23	100	G
SODIUM NITRITE	23	5	Q		XYLENE	23	100	G
SODIUM PERBORATE	23	100	A		ZINC CHLORIDE	23	10	Q
SODIUM PERBORATE	23	5	A		ZINC HYDROSULFITE	23	100	G
SODIUM PHOSPHATE	23	10	G		ZINC OXIDE	23	100	G
SODIUM POLYPHOSPHATE	23	100	G		ZINC SULFATE	23	100	Q

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Discover the NYCAST® Advantage

Cast Nylons Limited (CNL) is the premier producer of cast nylon in North America. Our people, our processes and our products are recognized as being among the very best in the industry.

We sell cast nylon stock shapes and custom cast parts through an international network of distributors.

Innovation drives our engineers and casters to develop creative solutions for our customers. CNL offers 42 standard and custom product formulas to meet the needs of the most demanding applications.

Our product offerings include cast nylon sheets, rods, tubular bars, rectangular bars, nylon sheaves, elevator buckets, discs, rings and custom cast components. With distributors strategically located throughout the United States, Canada, Mexico, Latin America, South America, Europe and Asia, CNL is available to serve a wide variety of industries and applications.

We also offer a unique 24/7 melt storage facility which allows CNL to run product anytime, so orders placed during the day can be scheduled for production the same evening.

CNL's single-product focus allows us to provide a depth of service unmatched by the competition. Every aspect of our operation is focused on providing excellence, from manufacturing quality to our product line, tool design, engineering support, delivery and every part of the customer experience - **that's the NYCAST® advantage.**

NYCAST® cast nylons are used in a wide variety of industries including:

Construction Equipment

Metals Processing

Metal Forming

Pulp and Paper

Mining Equipment

Marine

Material Handing

Automotive Production

Printing Equipment

Bottling Equipment

Water Treatment

Canning Equipment

Packaging Equipment

Textile

Oil Field Equipment

Food Processing

Gas Industries

ISO 9001:2015