CAST NYLONS LIMITED

Discover the NYCAST® Advantage

Chemical Resistance of NYCAST® Materials

Distributed By

Polymershapes

Chemical	Temp. °C	Conc. %	Rating
Acetaldehyde	23	40	A
Acetamide	23	50	G
Acet Acid	100	2	G
Acet Acid	100	10	P
Acet Acid	23	2	G
Acet Acid	23	10	P
Aceticanhydride	23	100	P
Aceton	23	100	G
Acetonitrile	23	100	G
Acetyl Chloride	23	100	P
Acetylene	23	100	G
Acrylonitrile	23	100	G
Allylalcohol	23	100	A
Allyl Chloride	23	100	G
Alum	23	SAT	A
Aluminum Chloride	23	10	G
Aluminum Fluoride	23	100	G
Aluminum Hydroxide	23	100	G
Aluminum Potassium Sulphate	23	10	P
Aluminum Sulfate	50	10	G
Ammonia	23	10	G
Ammonia	100	10	G
Ammonium Acetate	23	100	G
Ammonium Carbonate	23	100	G
Ammonium Chloride	23	10	G
Ammonium Fluoride	23	37	G
Ammonium Hydroxide	23	100	G
Ammonium Nitrate	23	40	G
Ammonium Persulfate	23	100	Q
Ammonium Phosphate	23	100	G
Ammonium Sulphate	23	100	G
Ammonium Sulphide	23	100	G
Amyl Acetate	23	100	G
Amyl Alcohol	23	100	G
Amyl Chloride	23	100	G
Aniline	23	100	P
Aniseed Oil	23	100	G
Antimony Trichloride	23	10	G
Arochlor 1248	23	100	G
Arsenic Acid	23	100	G
Barium Chloride	23	15	G
Barium Chloride	50	100	G
Barium Hydroxide	23	100	G
Barium Nitrate	23	100	G

Chemical	Temp. °C	Conc. %	Rating
Barium Sulfate	23	15	G
Barium Sulfide	23	100	G
Beer	23	100	G
Beet Liquids	23	100	H
Benzaldehyde	23	100	P
Benzaldehyde	23	0.3	G
Benzene	23	100	G
Benzoic Acid	23	100	P
Benzyl Alcohol	23	100	Q
Benzyl Chloride	23	100	G
Borax	23	SAT	G
Boric Acid	23	10	A
Brandy	23	100	G
Bromine	23	100	Q
Bromine	23	10	Q
Butane	23	100	G
Butanol	23	100	G
Butter	23	100	G
Buttermilk	23	100	G
Butyl Acetate	23	100	G
Butylene	23	100	A
Butylene Glycol	23	100	G
Butyric Acid	23	100	A
Calcium Bisulfide	23	100	G
Calcium Bisulfite	50	100	G
Calcium Carbonate	23	100	G
Calcium Chloride	23	100	Q
Calcium Chloride	100	SAT	P
Calcium Hydroxide	50	SAT	G
Calcium Hypochlorite	23	100	Q
Calcium Sulfate	23	100	P
Camphor	23	100	G
Carbon Disulfide	23	100	G
Carbontetrachloride	23	100	G
Carbonated Beverages	23	100	G
Castor Oil	23	100	G
Catechol	23	100	P
Catsup	23	100	G
Caustic Potash	23	40	G
Caustic Soda	23	40	G
Cellulose Acetate	23	10	G
Chloric Acid	23	10	Q
Chlorine	23	100	P
Chlorine	23	5	Q

Key to Rating:
G = Good Resistance, no long term affects
A = Average Resistance, mild affects
Q = Questionable Resistance, confirm through testing
P = Poor Resistance, signs of attack, not recommended

Chemical	Temp. °C	Conc. %	Rating
Chloroacetic Acid	23	100	P
Chlorobenzene	23	100	G
Chlorobromomethane	23	100	A
Chloroethanol	23	100	G
Chloroform	23	100	Q
Chlorol Hydrate	23	AQ	P
Chlorosulfonic Acid	23	100	Q
Chocolate Syrup	23	100	G
Chromealum	23	10	G
Chromic Acid	23	10	P
Citric Acid	23	100	P
Citric Acid	23	10	G
Cocoa	23	100	G
Coconut Oil	23	100	G
Coffee	23	100	G
Copper Chloride	23	100	G
Copper Cyanide	23	100	G
Copper Nitrate	23	100	P
Copper Sulfate	23	SAT	G
Cotton Seed Oil	23	100	G
Cream	23	100	G
Cresol	23	100	P
Cyclohexane	23	100	G
Cyclohexanol	23	100	P
Cyclohexanone	23	100	G
Decalin	23	100	G
Dextrin	23	100	G
Diacetone Alcohol	23	100	G
Dibutyl Phthalate	23	100	G
Dichloroacetic Acid	23	100	Q
Dichloroethylene	23	100	G
Diesel Oil	23	100	G
Diethylamine	23	100	G
Dimethyl Formamide	23	100	G
Dioctyl Phthalate	23	100	G
Dioxane	23	100	G
Diphenyl Ether	23	100	A
Ethanolamine	23	100	G
Ethylacetate	50	100	G
Ethyl Alcohol	23	100	G
Ethyl Ether	23	100	G
Ethylene Chloride	23	100	G
Ethylene Diamine	23	100	G
Ethylene Glycol	23	85	G

Chemical	Temp. °C	Conc. %	Rating
Ethylene Oxide	23	100	G
Ferric Chloride	23	5	G
Ferric Chloride	23	SAT	P
Ferric Chloride	100	5	P
Ferric Nitrate	23	100	G
Ferric Sulfate	23	100	G
Ferrous Chloride	23	100	A
Ferrous Sulfate	23	15	P
Fluorine	23	100	Q
Fluorsiucic Acid	23	100	P
Fluoroboric Acid	23	100	P
Foramide	23	100	A
Formaldehyde	23	30	G
Formicacid	23	10	A
Freon 11	23	100	G
Freon 113	23	100	P
Freon 12	23	100	G
Freon 22	23	100	G
Freon TF	23	100	P
Fruit Juices	23	100	G
Furfurol	23	100	A
Gallic Acid	23	100	A
Gasoline	23	100	G
Glucose	23	100	G
Glycerine	23	100	G
Heptane	23	100	G
Hexane	23	100	G
Hexyl Alcohol	23	100	G
Horse Raddish	23	100	G
Hydrobromic Acid	23	10	P
Hydrochloric Acid	23	10	P
Hydrofluor IC Acid	23	40	P
Hydrogen Peroxide	23	10	Q
Hydrogen Peroxide	23	2	Q
Hydrogen Peroxide	23	30	P
Hyrdrogen Sulfide	23	5	G
India Ink	23	100	G
Iodine	23	5	P
Iodoform	23	100	Q
Isobutyl Alcohol	23	100	G
Isooctane	23	100	G
Isopropyl Acetate	23	100	G
Isopropyl Alcohol	23	100	G
Isopropyl Ether	23	100	G

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Chemical	Temp. °C	Conc. %	Rating
Jam	23	100	G
Lactic Acid	23	50	Q
Lactic Acid	23	90	P
Lactic Acid	23	10	G
Lanolin	23	100	G
Lead Acetate	23	10	G
Lead Stearate	23	100	G
Lead Sulfamate	23	100	A
Lemon Juice	23	100	A
Linseed Oil	23	100	G
Liqueurs	23	100	G
Magnesium Chloride	23	10	G
Magnesium Hydroxide	23	10	G
Magnesium Nitrate	23	100	G
Magnesium Sulfate	23	100	G
Meleicacid	23	100	A
Malicacid	23	100	P
Malonicacid	23	100	P
Manganese Sulfate	23	10	G
Margarine	23	100	G
Mayonnaise	23	100	G
Melamine	23	100	G
Mercuric Chloride	23	100	G
Mercuric Cyanide	23	100	G
Mercurous Chloride	23	10	P
Mercury	23	100	G
Methanol	23	100	G
Methyl Acetate	50	100	G
Methyl Bromide	23	100	G
Methyl Cellosolve	23	100	Q
Methyl Chloride	23	100	G
Methyl Isobutyl Ketone	23	100	G
Methyl Isopropyl Ketone	23	100	A
Methyl-Dichloroacetate	23	100	Q
Methyl-Monochloroacetate	23	100	Q
Methylene Chloride	23	100	A
Methylethylketone	23	100	G
Methylglycol	23	100	G
Milk	23	100	G
Mineral Oil	23	100	G
Monochloroacetic Acid	23	10	P
Mothballs	23	100	G
Nail Polish	23	100	G
Naphthalene	23	100	G

Chemical	Temp. °C	Conc. %	Rating
Nickel Chloride	23	100	Q
Nickel Sulfate	23	100	G
Nitric Acid	23	10	P
Nitrobenzyene	23	100	A
Nitromethane	23	100	G
Octane	23	100	G
Octyl Alcohol	23	100	G
Oil, Lavender	23	100	G
Oil, Pine	23	100	G
Oil, Terpent Ine	23	100	G
Oleic Acid	23	100	G
Olive Oil	23	100	G
Oxalic Acid	23	10	G
Ozone	23	1 PPM	G
Ozone	23	100	Q
Parafinoil	23	100	G
Peanut Oil	23	100	G
Peppermint Oil	23	100	G
Perchloric Acid	23	10	P
Perchloroethylene	23	100	G
Phenol	23	100	P
Phenylethyl Alcohol	23	100	A
Phosphoric Acid	23	10	P
Phtalic Acid	23	100	S
Picric Acid	23	100	Q
Pineapple Juice	23	100	G
Potassium Acetate	100	50	G
Potassium Bichromate	23	5	G
Potassium Bromide	23	10	G
Potassium Chlorate	23	7	Q
Potassium Chlorate	23	5	A
Potassium Chloride	23	100	A
Potassium Chromate	23	100	G
Potassium Cyanide	23	100	G
Potassium Dichromate	23	100	P
Potassium Ferrocyanide	23	30	G
Potassium Hypochloride	23	100	A
Potassium Iodide	23	10	G
Potassium Nitrate	23	10	G
Potassium Permanganate	23	1	P
Potassium Persulphate	23	100	G
Potassium Sulfate	23	10	G
Potassium-Aluminum Sulfate	23	100	G
Propone	23	100	G

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Propanol	23	100	G
Propylacetate	23	100	G
Pyridine	23	100	G
Resorcinol	23	100	P
Ricinusoil	23	100	G
Rose Oil	23	100	G
Salicyclic Acid	23	100	G
Silicone Oils	23	100	G
Silver Nitrate	23	100	G
Soap	23	10	G
Sodium Acetate	23	46	G
Sodium Acetate	100	46	G
Sodium Bichromate	23	5	G
Sodium Bisulfate	23	10	G
Sodium Bisulphite	23	100	G
Sodium Borate	23	100	G
Sodium Bromide	23	10	A
Sodium Carbonate	100	21	G
Sodium Carbonate	23	21	G
Sodium Chlorate	23	100	P
Sodium Chloride	23	SAT	G
Sodium Chlorite	23	5	Q
Sodium Chromate	23	100	P
Sodium Cyanide	23	100	G
Sodium Fluoride	23	100	A
Sodium Hydrosulfite	23	100	G
Sodium Hypochlorite	23	5	Q
Sodium Metaphosphate	23	100	G
Sodium Monosulphide	23	2	G
Sodium Nitrate	23	10	G
Sodium Nitrite	23	5	Q
Sodium Perborate	23	10	A
Sodium Perborate	23	5	A
Sodium Phosphate	23	10	G
Sodium Polyphosphate	23	100	G
Sodium Silicate	23	100	G
Sodium Sulfide	23	10	G
Sodium Sulfite	23	10	G
Sodium Sulphate	23	10	G
Sodium Tetraborate	23	100	G
Sodium Thiosulfite	23	SAT	G
Soya Oil	23	100	G
Stannic Chloride	23	100	A
Stannous Chloride	23	100	Q

Chemical	Temp. °C	Conc. %	Rating
Starch	23	SAT	G
Stear Icacid	23	100	G
Styrene	23	100	G
Sugar	23	SAT	G
Sulfur	23	100	G
Sulfure Dioxide	23	5	Q
Sulfurous Acid	23	100	P
Sulphuric Acid	23	10	P
Tallow	23	100	G
Tartaric Acid	23	100	G
Tea	23	100	G
Tetrachloroethane	23	100	Q
Tetrahydrofuran	23	100	G
Thionyl Chloride	23	100	P
Toluene	23	100	G
Transformer Oil	23	100	G
Trichloroethane	23	100	Q
Trichloroethylene	23	100	G
Trichloroethylene	8750	100	P
Tricresylphosphate	23	100	G
Triethanolamine	23	100	G
Triethylamine	23	100	G
Trisodium Phosphate	23	80	G
Turpentine	23	100	G
Erea	23	20	G
Vinyl Chloride	23	100	G
VM&P Naptha	23	100	G
Wine	23	100	G
Xylene	23	100	G
Zinc Chloride	23	10	Q
Zinc Hydrosulfite	23	100	G
Zinc Oxide	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

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Polymershapes

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