



CanadianPond.ca Products Ltd.

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BUBBLE TUBING IS MADE OF PVC

CHEMICAL RESISTANCE GUIDELINE

As a designer and manufacturer of hose and tubing, our manufacturer is using many of the new polymer compounds developed to resist deterioration when exposed to the wide range of chemicals used industry. Resistance to chemical attack is based on many factors including temperature, exposure to UV, pressure, chemical concentration, duration of exposure, intermittent or constant exposure, and the velocity of the solution. For these reasons the following table should be used as a guideline only. Since each pair of ratings listed is for ideal conditions, all factors affecting chemical resistance must be considered. The first letter of each pair applies to conditions at 68F/20C, and the second to those at 122F/50C. In all cases, the product should be tested in a controlled, secure and safe setting prior to use. No guarantee is expressed or implied by Canadianpond.

LDPE	=Low Density Polyethylene
HDPE	=High Density Polyethylene
PP/PA	=Polypropylene/Polyallomer
PMP	=Polymethylpentene
FEP	
PFA	=Fluoroplastics/Fluoropolymers
PTFE	
PC	=Polycarbonate
PVC	=Polyvinylchloride
PSF	=Polysulfone

Legend: E=excellent	G=good	F=fair	N=not recommended	NA= No Data				
Chemical	LDPE	HDPE	PP/PA	PMP	FEP PFA PTFE	PC	PVC	PSF
Acetaldehyde	GN	GF	GN	GN	EE	FN	GN	NN
Acetamide, Sat.	EE	EE	EE	EE	EE	NN	NN	NN
Acetic Acid, 5%	EE	EE	EE	EE	EE	EG	EE	EE
Acetic Acid, 50%	EE	EE	EE	EE	EE	EG	EG	GG
Acetone	EE	EE	EE	EE	EE	NN	NN	NN
Acetonitrile	EE	EE	FN	FN	EE	NN	NN	NN
Acrylonitrile	EE	EE	FN	FN	EE	NN	NN	NN
Adipic Acid	EG	EE	EE	EE	EE	EE	GG	GG
Alanine	EE	EE	EE	EE	EE	NN	NN	NN
Allyl Alcohol	EE	EE	EE	EG	EE	GF	GF	GF
Aluminum Hydroxide	EG	EE	EG	EG	EE	FN	EG	GG
Aluminum Salts	EE	EE	EE	EE	EE	EG	EE	EE
Aluminum Sulfate	EE	EE	GG	NA	EE	NA	EE	NA
Amino Acids	EE	EE	EE	EE	EE	EE	EE	EE
Ammonia	EE	EE	EE	EE	EE	NN	EG	GF
Ammonium Acetate, Sat.	EE	EE	EE	EE	EE	EE	EE	EE
Ammonium Glycolate	EG	EE	EG	EG	EE	GF	EE	GG
Ammonium Hydroxide, 5%	EE	EE	EE	EE	EE	FN	EE	GG
Ammonium Hydroxide, 30%	EG	EE	EG	EG	EE	NN	EG	GG
Ammonium Oxalate	EG	EE	EG	EG	EE	EE	EE	EE
Ammonium Salts	EE	EE	EE	EE	EE	EG	EG	EE
n-Amyl Acetate	GF	EG	GF	GF	EE	NN	NN	NN
Amyl Chloride	NN	FN	NN	NN	EE	NN	NN	NN
Aniline	EG	EG	GF	GF	EE	FN	NN	NN
Benzaldehyde	EG	EE	EG	EG	EE	FN	NN	FF
Benzene	FN	GG	GF	GF	EE	NN	NN	NN
Benzoic Acid, Sat.	EE	EE	EG	EG	EE	EG	EG	FF
Benzyl Acetate	EG	EE	EG	EG	EE	FN	NN	NN
Benzyl Alcohol	NN	FN	NN	NN	EE	GF	GF	NN
Bromine	NN	FN	NN	NN	EE	FN	GN	NN
Bromobenzene	NN	FN	NN	NN	EE	NN	NN	NN
Bromoform	NN	NN	NN	NN	EE	NN	NN	NN
Butadiene	NN	FN	NN	NN	EE	NN	FN	NN
n-Butyl Acetate	GF	EG	GF	GF	EE	NN	NN	NN
n-Butyl Alcohol	EE	EE	EE	EG	EE	GF	GF	GF
sec-Butyl Alcohol	EG	EE	EG	EG	EE	GF	GG	GF

