

Chemical Resistance of Tube

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Acetaldehyde	乙醛	X	X	X	E
Acetamide, 67% w	乙酰胺, 67% w	G	G	X	/
Acetate Solvents (general)	醋酸酯类溶剂 (一般)	G	G	X	/
Acetic Acid, 10% in w	醋酸, 10% w	E	E	X	/
Acetic Acid, 50-60% in w	醋酸, 50-60% w	G	G	X	/
Acetic Acid, Glacial, 100%	冰醋酸, 100%	G	G	X	/
Acetic Anhydride	醋酸酐	E	E	X	F
Acetone	丙酮	X	X	X	X
Acetonitrile	乙腈	G	G	X	/
Acetyl Bromide	乙酰溴	F	F	X	/
Acetyl Chloride	乙酰氯	F	F	X	/
Acetylene Gas	乙炔气	E	E	E	/
Acrylonitrile	丙烯腈	G	G	X	/
Adipic Acid, 100% in alc	己二酸, 100% (醇溶液)	G	G	X	/
Air	空气	E	E	E	/
Alcohols General	普通醇类	E	E	X	/
Aliphatic Hydrocarbons	脂肪烃	X	X	G	/
Allyl Alcohol	烯丙醇	F	F	E	/
Alum, 5% in w	明矾, 5% w	E	E	E	E
Aluminum Chloride, 53% in w	氯化铝, 53% w	E	E	E	G
Aluminum Hydroxide, 2% in w	氢氧化铝, 2% w	E	E	E	/
Aluminum Sulfate, 50% in w	硫酸铝, 50% w	E	E	E	E
Aluminum Salts	铝盐	E	E	E	/
Amines	胺	F	F	X	/
Ammonia Gas	氨气	E	E	X	/
Ammonia, Anhydrous Liquid	液氨	E	G	X	/
Ammonium Acetate, 45% in w	醋酸铵, 45% w	E	E	X	/
Ammonium Carbonate, 50% in w	碳酸铵, 50% w	E	E	E	F
Ammonium Hydroxide, 5-10% in w	氨水, 5-10% w	E	E	X	/
Ammonium Hydroxide, 30% in w	氨水, 30% w	E	E	X	/
Ammonium Persulfate, 30% in w	过硫酸铵, 30% w	E	E	E	/
Ammonium Salts	铵盐	E	E	E	/
Ammonium Sulfate, 30% in w	硫酸铵, 30% w	E	E	E	E
Amyl Acetate	醋酸戊酯	G	G	X	/
Amyl Alcohol	戊醇	X	X	E	X
Amyl Chloride	戊基氯	F	F	X	X
Aniline	苯胺	F	F	X	G
Aniline Hydrochloride	盐酸苯胺	F	F	X	X
Antimony Salts	锑盐	E	E	E	/
Aqua Regia	王水	X	X	X	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Aromatic Hydrocarbons	芳香烃	X	X	X	X
Arsenic Acid, 20% in w	砷酸, 20% w	F	F	E	/
Arsenic Salts	砷盐	E	E	E	/
ASTM Reference No. 1 Oil	ASTM 1号油	F	F	E	/
ASTM Reference No. 2 Oil	ASTM 2号油	X	X	E	/
ASTM Reference No. 3 Oil	ASTM 3号油	X	X	E	/
Barium Carbonate, 1% in w	碳酸钡, 1% w	E	E	E	/
Barium Hydroxide, 5% in w	氢氧化钡, 5-10% w	E	E	E	/
Beer	啤酒	E	E	E	/
Benzaldehyde	苯甲醛	X	X	X	X
Benzene	苯	X	X	X	/
Benzenesulfonic Acid	苯磺酸	X	X	X	/
Benzoic Acid	苯甲酸	G	G	X	/
Benzyl Alcohol	苯甲醇	E	E	E	/
Bleach Liquor, 22% in w	漂白液, 22% w	E	E	E	G
Borax, 6% in w	硼砂, 6% w	E	E	E	/
Boric Acid, 4% in w	硼酸, 4% w	E	E	E	E
Bromine, Anhydrous Liquid	液溴	X	X	X	/
Butadiene	丁二烯	E	E	E	/
Butane	丁烷	E	E	E	/
Butyl Acetate	醋酸丁酯	G	G	X	/
Butyl Alcohol	丁醇	X	X	E	G
Butyric Acid	丁酸	G	G	X	X
Calcium Carbonate, 25% in Dilute acids	碳酸钙, 稀酸的25%	E	E	E	/
Calcium Chloride, 30% in w	氯化钙, 30% w	E	E	E	/
Calcium Hydroxide, 10% in glycerol	氢氧化钙、10%甘油溶液	E	E	E	/
Calcium Hypochlorite, 20% in w	次氯酸钙, 20% w	E	E	E	/
Calcium Nitrate, 55% in w	硝酸钙, 55% w	E	E	E	/
Calcium Salts	钙盐	E	E	E	/
Calcium Sulfate, 1% in w	硫酸钙, 1% w	E	E	E	/
Carbon Dioxide, Wet/ Dry	二氧化碳, 干/湿	E	E	E	G
Carbon Disulfide	二硫化碳	X	X	G	/
Carbon Monoxide	一氧化碳	E	E	E	/
Carbon Tetrachloride	四氯化碳	X	X	X	X
Carbonic Acid	碳酸	E	E	E	/
Castor Oil	蓖麻油	F	F	E	/
Cellosolve	甲基纤维素	F	F	X	/
Cellosolve Acetate	乙酸溶纤剂	F	F	X	/
Chlorine, Dry Gas	氯气, 干	F	F	E	/
Chlorine, Wet Gas	氯气, 湿	X	X	E	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Chlorobenzene, Mono, Di, Tri	三氯苯, Mono, Di	X	X	X	/
Chloroform	氯仿	F	X	F	X
Chlorosulfonic Acid	氯磺酸	X	X	X	X
Chromic Acid, 10-20% in w	铬酸, 10-20% w	E	E	E	/
Chromic Acid, 50% in w	铬酸, 50% w	F	F	E	/
Citric Acid, 10-20% in w	柠檬酸, 20% w	E	E	E	/
Coconut Oil	椰子油	F	F	E	/
Corn Syrup	玉米糖浆	E	E	E	/
Cottonseed Oil	棉籽油	F	F	E	/
Cresol (m,o, or p)	(邻、间、对) 甲基苯酚	X	X	E	/
Cresylic Acid	甲苯基酸	G	G	X	/
Cupric Chloride, 40% in w	氯化铜, 40% w	E	E	E	/
Cupric Nitrate, 70% in w	硝酸铜, 70% w	E	E	E	/
Cupric Sulfate, 13% in w	硫酸铜, 13% w	E	E	E	/
Cyclohexane	环己烷	X	X	E	X
Cyclohexanone	环己酮	X	X	X	X
Detergent Solutions	洗涤剂	G	G	E	/
Dibutyl Phthalate	邻苯二甲酸酯二丁酯	E	E	E	/
Diesel Fuel	柴油	X	X	E	/
Diethylamine, 2.5% in w	二乙胺, 2.5% w	E	E	X	/
Diethylene Glycol	二甘醇	E	E	E	/
Dimethylformamide	二甲基甲酰胺	G	G	X	F
Dimethylsulfoxide (DMSO)	二甲亚砜	E	G	X	/
Dioctyl Phthalate	邻苯二甲酸酯二辛酯	E	E	E	/
Dioxane	二恶烷	X	X	X	/
Ether	醚	F	F	X	X
Ethyl Acetate	乙酸乙酯	G	G	X	G
Ethyl Alcohol (Ethanol)	酒精 (乙醇)	F	F	X	/
Ethyl Benzoate	苯甲酸乙酯	X	X	X	/
Ethyl Chloride	氯化乙基	F	F	X	/
Ethyl Ether	乙醚	F	F	X	/
Ethylene Bromide	溴化乙烯	X	X	E	/
Ethylene Chlorohydrin	二氯乙醇	E	E	X	/
Ethylene Dichloride	二氯乙烷	F	F	X	X
Ethylene Glycol	乙二醇	E	E	E	E
Ethylene Oxide	环氧乙烷	E	E	E	X
Fatty Acids	脂肪酸	F	F	E	F
Ferric Chloride, 43% in w	氯化铁, 43% w	E	E	E	/
Ferric Nitrate, 60% in w	硝酸铁, 60% w	E	E	E	/
Ferric Sulfate, 5% in w	硫酸铁, 5% w	E	E	E	G

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Ferrous Sulfate, 5% in w	硫酸亚铁, 5% w	E	E	E	/
Fluoboric Acid, 48% in w	氟硼酸, 48% w	X	X	E	/
Fluorine Gas	氟气	X	X	G	/
Fluosilicic Acid, 25% in w	氟硅酸, 25% w	F	F	E	/
Formaldehyde, 37% in w	甲醛, 37% w	X	X	X	G
Formic Acid, 25% in w	蚁酸, 25% w	E	E	E	G
Formic Acid, 40-50% in w	蚁酸, 40-50% w	G	G	F	/
Formic Acid, 98% in w	蚁酸, 98% w	G	G	X	/
Freon 11	氟利昂11	E	E	G	/
Freon 12	氟利昂12	E	E	G	/
Freon 22	氟利昂22	E	E	G	/
Fruit Juice	果汁	E	E	E	/
Fuel Oil	燃油	X	X	E	/
Furfural	糠醛	X	X	X	/
Gallic Acid, 17% in acetone	五倍子酸17% (丙酮溶液)	G	G	X	/
Gasoline, Automotive	车用汽油	X	X	E	/
Gelatin	明胶	E	E	E	/
Glucose, 50% in w	葡萄糖, 50% w	E	E	E	E
Glycerol, (Glycerin)	丙三醇 (甘油)	E	E	E	E
Glycolic Acid, 70% in w	乙醇酸, 70% w	G	G	X	/
Heptane	庚烷	X	X	G	/
Hexane	正己烷	X	X	G	/
Hydrazine	肼	F	F	X	/
Hydrobromic Acid, 20-50% in w	氢溴酸, 20%-50% w	X	X	E	/
Hydrobromic Acid, 100% in w	氢溴酸, 100% w	X	X	E	/
Hydrochloric Acid, 10% in w	盐酸, 10% w	E	E	E	/
Hydrochloric Acid, 37% in w	盐酸, 37% w	G	G	G	/
Hydrocyanic Acid	氢氰酸	E	E	X	F
Hydrofluoric Acid, 10% in w	氢氟酸, 10% w	X	X	E	/
Hydrofluoric Acid, 25% in w	氢氟酸, 25% w	X	X	E	/
Hydrofluoric Acid, 40-48% in w	氢氟酸, 40-48% w	X	X	E	/
Hydrogen Gas	氢气	E	E	E	/
Hydrogen Peroxide, 3% in w	过氧化氢, 3% w	E	E	E	/
Hydrogen Peroxide, 10% in w	过氧化氢, 10% w	E	E	E	/
Hydrogen Peroxide, 30% in w	过氧化氢, 30% w	E	E	E	/
Hydrogen Peroxide, 90% in w	过氧化氢, 90% w	G	G	E	/
Hydrogen Sulfide	硫化氢	E	E	E	/
Hydroquinone, 7% in w	对苯二酚, 7% w	G	G	E	/
Hypochlorous Acid, 25% in w	次氯酸, 25% w	E	E	E	/
Iodine, 50 ppm in w	碘, 50 ppm w	E	E	E	/

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Isooctane	异辛烷	X	X	E	/
Isopropyl Acetate	乙酸异丙酯	G	G	X	/
Isopropyl Alcohol	异丙醇	F	F	E	/
Isopropyl Ether	异丙醚	F	F	X	/
Jet Fuel, JP8	喷气式发动机燃料, JP8	X	X	E	/
Kerosene	煤油	X	X	E	X
Ketones	酮	X	X	X	/
Lacquer Solvents	油漆类溶剂	G	G	X	/
Lactic Acid, 3-10% in w	乳酸, 3-10% w	E	E	X	/
Lactic Acid, 85% in w	乳酸, 85% w	G	G	X	/
Lard, Animal Fat	猪油, 动物脂肪	F	F	E	/
Lead Acetate, 35% in w	醋酸铅, 35% w	E	E	E	E
Lead Salts	铅盐	E	E	E	/
Lemon Oil	柠檬油	X	X	E	/
Limonene-D	D-柠檬精油	X	X	E	/
Linoleic Acid	亚油酸	F	F	E	/
Linseed Oil	亚麻籽油	F	F	E	/
Lubricating Oils, Petroleum	润滑油、石油	X	X	E	/
Magnesium Carbonate, 1% in w	碳酸镁, 1% w	E	E	E	/
Magnesium Chloride, 35% in w	氯化镁, 35% w	E	E	E	E
Magnesium Hydroxide, 10% in dil. Acid	氢氧化镁, (稀酸溶液) 10% w	E	E	E	/
Magnesium Nitrate, 50% in w	硝酸镁, 50% w	E	E	E	/
Magnesium Sulfate, 25% in w	硫酸镁, 25% w	E	E	E	E
Maleic Acid, 30% in w	马来酸, 30% w	F	F	E	/
Malic Acid, 36% in w	苹果酸, 36% w	E	E	X	G
Manganese Salts	锰盐	E	E	E	/
Mercuric Chloride, 6% in w	氯化汞, 6% w	E	E	E	/
Mercuric Cyanide, 8% in w	氰化汞, 8% w	E	E	E	/
Mercury	汞	E	E	E	/
Mercury Salts	汞盐	E	E	E	/
Methane Gas	甲烷气	E	E	E	X
Methyl Acetate	乙酸甲酯	/	G	X	/
Methyl Bromide	溴化甲烷	F	F	X	/
Methyl Chloride	氯甲烷	F	F	X	X
Methyl Ethyl Ketone (MEK)	甲基乙基酮 (MEK)	X	X	X	/
Methyl Isobutyl Ketone	甲基异丁基酮	X	X	X	/
Methylene Chloride	二氯甲烷	X	F	X	/
Methyl Methacrylate	甲基丙烯酸甲酯	F	X	F	/
Milk	牛奶	E	E	E	/
Mineral Oil	矿物油	X	X	E	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Molasses	糖蜜	E	E	E	/
Monoethanolamine	单乙醇胺	F	F	X	G
Motor Oil	机油	X	X	E	/
Naphtha	石脑油	X	X	E	X
Naphthalene	萘	X	X	E	/
Natural Gas	天然气	E	E	E	E
Nickel Chloride, 40% in w	氯化镍, 40% w	E	E	E	/
Nickel Nitrate, 75% in w	硝酸镍, 75% w	E	E	E	/
Nickel Salts	镍盐	E	E	E	/
Nickel Sulfate, 25% in w	硫酸镍, 25% w	E	E	E	/
Nitric Acid, 10% in w	硝酸, 10% w	E	E	E	/
Nitric Acid, 35% in w	硝酸, 35% w	E	E	F	/
Nitric Acid, 68-71% in w	硝酸, 68-71% w	X	X	X	/
Nitrobenzene	硝基苯	X	X	X	X
Nitromethane	硝基甲烷	X	X	X	/
Nitrous Acid, 10% in w	亚硝酸, 10% w	E	E	E	/
Nitrous Oxide	一氧化二氮	E	E	E	/
Oils, Animal	动物油	F	F	E	/
Oils, Essential	油, 基本	X	X	E	/
Oils, Hydraulic (Phosphate Ester)	液压油 (磷酸酯)	X	X	E	/
Oils, Hydrocarbon	烃类油	X	X	E	/
Oils, Vegetable	植物油	F	F	E	/
Oleic Acid	油酸	F	F	E	X
Oleum, 25% in w	发烟硫酸, 25% w	E	E	E	/
Ortho Dichlorobenzene	邻二氯苯	X	X	X	/
Oxalic Acid, 12% in w	草酸, 12% w	G	G	X	/
Oxygen	氧气	E	E	E	/
Ozone, 300 pphm	臭氧, 300 pphm	E	E	E	/
Palmitic Acid, 100% in ether	棕榈酸, 100%醚	F	F	E	/
Paraffins	石蜡	X	X	G	/
Perchloric Acid, 67% in w	高氯酸, 67% w	E	E	E	X
Perchloroethylene	全氯乙烯	F	F	X	X
Phenol, 5-10% in w	苯酚, 5-10% w	E	E	E	X
Phenol, 91% in w	苯酚, 91% w	E	E	E	X
Phosphoric Acid, < 10% in w	磷酸, <10% w	E	E	E	/
Phosphoric Acid, 25% in w	磷酸, 25% w	E	E	E	/
Phosphoric Acid, 85% in w	磷酸, 85% w	E	E	E	/
Phosphorous Trichloride Acid	三氯化磷	G	G	G	/
Photographic Solutions	显影液	G	G	E	/
Phthalic Acid, 9% in alc	邻苯二甲酸酯, 9% (醇溶液)	E	E	E	/

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Picric Acid, 1% in w	苦味酸, 1% w	X	X	E	/
Plating Solutions	电镀液	E	E	E	/
Potassium Carbonate, 55% in w	碳酸钾, 55% w	E	E	E	/
Potassium Cyanide, 33% in w	氰化钾, 33% w	E	E	E	/
Potassium Dichromate, 5% in w	重铬酸钾, 5% w	E	E	E	/
Potassium Hydroxide, <10% in w	氢氧化钾, <10% w	E	E	E	/
Potassium Hypochlorite, 70% in w	次氯酸盐钾, 70% w	/	E	E	/
Potassium Iodide, 56% in w	碘化钾, 56% w	E	E	E	/
Potassium Permanganate, 6% in w	高锰酸钾, 6% w	E	E	E	/
Potassium Salts	盐钾	E	E	E	/
Propane Gas	丙烷	E	E	E	/
Propyl Alcohol (Propanol)	丙醇	E	E	E	/
Propylene Glycol	丙二醇	E	E	E	/
Propylene Oxide	环氧丙烷	/	E	E	/
Pyridine	吡啶	F	F	X	/
Salicylic Acid, 1% in w	水杨酸, 1% w	E	E	X	/
Silicone Oils	硅油	F	F	E	/
Silver Nitrate, 55% in w	硝酸银, 55% w	E	E	E	E
Skydrol 500A	特种液压油500A	X	X	E	/
Soap Solutions	肥皂液	G	G	E	E
Sodium Acetate, 55% in w	醋酸钠, 55% w	E	E	E	/
Sodium Benzoate, 22% in w	苯甲酸钠, 22% w	E	E	E	/
Sodium Bicarbonate, 7% in w	碳酸氢钠, 7% w	E	E	E	E
Sodium Carbonate, 7% in w	碳酸钠, 7% w	E	E	E	E
Sodium Chlorate, 45% in w	氯酸钠, 45% w	E	E	E	F
Sodium Chloride, 20% in w	氯化钠, 20% w	E	E	E	E
Sodium Cyanide, 30% in w	氰化钠, 30% w	E	E	E	/
Sodium Fluoride, 3% in w	氟化钠, 3% w	E	E	E	/
Sodium Hydroxide, 10-15% in w	氢氧化钠, 10-15% w	E	E	E	/
Sodium Hydroxide, 30-40% in w	氢氧化钠, 30-40% w	E	E	E	/
Sodium Hypochlorite, 5.5% in w	次氯酸钠, 5.5% w	E	E	E	/
Sodium Hypochlorite, 12.2% in w	次氯酸钠, 12.2% w	E	E	E	/
Sodium Nitrate, 3.5% in w	硝酸钠, 3.5% w	E	E	E	X
Sodium Salts	钠盐	E	E	E	/
Sodium Sulfate, 5% in w	硫酸钠, 5% w	E	E	E	/
Sodium Sulfide, 45% in w	硫化钠, 45% w	E	E	E	E
Sodium Sulfite, 10% in w	亚硫酸钠, 10% w	E	E	E	/
Stannic Chloride, 50% in w	四氯化锡, 50% w	E	E	E	/
Stannous Chloride, 45% in w	二氯化锡, 45% w	E	E	E	/
Stearic Acid, 5% in alc	硬脂酸, 5% w (醇溶液)	F	F	E	G

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Sulfur Chloride	氯化硫	X	X	E	E
Sulfur Dioxide, Gas Dry	二氧化硫, 干气	E	E	E	/
Sulfur Dioxide, Gas Wet	二氧化硫, 湿气	E	E	E	/
Sulfur Trioxide, Wet	三氧化硫, 湿	G	E	G	/
Sulfuric Acid, 10% in w	硫酸, 10% w	E	E	E	/
Sulfuric Acid, 30% in w	硫酸, 30% w	E	E	E	/
Sulfuric Acid, 95-98% in w	硫酸, 95-98% w	X	X	E	/
Sulfurous Acid	亚硫酸	E	E	E	/
Tannic Acid, 75% in w	丹宁酸, 75% w	G	G	X	G
Tartaric Acid, 56% in w	酒石酸, 56% w	E	E	E	E
Tetrahydrofuran	四氢呋喃	X	X	X	/
Thionyl Chloride	亚硫酰氯	E	E	E	/
Tin Salts	锡盐	E	E	E	G
Titanium Salts	钛盐	E	E	E	/
Toluene	甲苯	X	X	F	X
Trichloroacetic Acid, 90% in w	三氯乙酸, 90% w	G	G	X	X
Trichloroethane	三氯乙烷	F	F	X	/
Triethanolamine	三乙醇胺	F	F	X	/
Trichloroethylene	三氯乙烯	X	X	X	X
Trichloropropane	三氯丙烷	F	F	X	/
Tricresyl Phosphate	磷酸三甲苯酯	E	E	E	/
Trisodium Phosphate	磷酸三钠	E	E	E	E
Turpentine	松节油	X	X	E	X
Urea, 20% in w	尿素, 20% w	E	E	E	G
Uric Acid	尿酸	E	E	F	/
Vinegar	醋	E	E	X	/
Vinyl Acetate	醋酸乙烯	G	G	X	/
Water, Deionized	去离子水	E	E	E	/
Water, Distilled	蒸馏水	E	E	E	/
Xylene	二甲苯	X	X	F	X
Zinc Chloride, 80% in w	氯化锌, 80% w	E	E	E	/
Zinc Salts	锌盐	E	E	E	/

W=Aqueous solution, alc=Ethanol

E=Excellent, G=Good, F=In general, X=Not recommended, /=No relevant information, -=Test environment, %=Concentration

* The company has the final interpretation right, the product information content is updated in real time, please contact our company to confirm before purchase.