DINKO Instruments

CHEMICAL COMPATIBILITY TABLE
FLEXIBLE TUBES FOR PERISTALTIC PUMPS

The table facilitates the appropriate election of the tube according the chemical nature of the substance to be pumped.
The tubes mechanically more resistant are TYGON L, TYGON C and G, FARMED, or SILICONE.
But the durability also depends from the liquid to pump, of the pressure and temperature and naturally of the motor revolutions.
The appropriate election of the tube diameter avoids to work to high motor revolutions.
To more revolutions smaller tube durability.
The available materials are:

FARMED Long duration, FDA and medical degree. Appropriate for discharges pressures. Beige color.
Temperature: maxim 135ºC.

TYGON A-60-C ® Great resistance to acids and caustics. Alimentary degree. Beige color
Max. temperature 135 ºC.

TYGON A-60- G ® Great resistance to acids and caustics. Industrial use. Black colour.
Maximum temperature 135 ºC.

SILICONE The most versatile tube. Silicone Platinum cured. Translucent. Half duration. Alimentary and medical degree
Max. temperature 140 ºC.

TYGON L ® Long duration. Raincoat. Total chemical resistance to inorganics. Non toxic. Autoclavable. FDA and medical degree.Translucent and crystalline.
Maximum temperature 165 ºC.

TYGON F-4040 ® Appropriate for gasolines, hot oils, kerosene and glycols.Yellow colour.
Max. temperature 74 ºC.

VITON ® Appropriate for acids and non acetonic solvents. Black colour.
Maximum temperature 300 ºC.

KEYS OF INCOMPATIBILITY

1- Excellent
2- Good
3- Fair
4- Not recommended
Nd- No dates

It is advisable to make an immersion test with the elected tube to check their effectiveness.
The facilitated table is made with our best knowledge, but we don't become responsible for possible incorrectness neither of losses or damages that its use can cause.

	Farmed	Silicone	Tygon 4040	Tygon L ®	Viton ®	Tygon C ®	Tygon G ®
Acetaldehyde	4	3	4	4	4	4	4
Acetamide, 67% in water	2	1	4	4	4	1	1
Acetate solvents	2	4	4	4	4	Nd	Nd
Acetic Acid, 10% in water	1	1	1	1	4	1	1
Acetic Acid 50-60% in water	2	1	2	1	4	Nd	Nd
Acetic Acid Glacial, 100%	2	4	4	4	4	1	1
Acetic Anhydride	1	1	4	4	4	1	1
Acetone	4	3	4	4	4	4	4
Acetonitrile	4	4	4	4	2	4	4
Acetyl Bromide	3	4	4	4	4	3	3
Acetyl Chloride	3	4	4	4	4	3	3
Acetylene gas	1	1	1	1	1	1	1
Acrylonitrile	4	4	4	4	2	4	4
Adipic Acid, 100% in alc	2	4	4	4	4	1	1
Air	1	1	1	1	1	1	1
Alcohols	1	2	4	4	4	1	1
Aliphatic Hydrocabons	4	4	4	4	2	4	4
Allyl Alcohol	3	4	4	4	1	3	3
Alum, 5% in water	1	1	1	1	1	1	1
Aluminium Chloride, 53% in w	1	1	1	1	1	1	1
Aluminium Hydroxide, 2% in w	1	1	1	1	1	1	1
Aluminium Sulphate, 50% in w	1	1	1	1	1	1	1
Aluminum Salts	1	1	1	1	1	1	1
Amines	3	4	4	4	4	3	3
Ammonia Gas	1	4	1	1	4	1	1
Ammonia, Anhydrous liquid	2	4	2	2	4	1	1
Ammonium Acetate, 45% in w	1	1	1	1	4	1	1
Ammonium Carbonate, 20% in w	1	1	1	1	1	1	1
Ammonium Hydroxide, 5-10% in w	1	4	1	1	4	1	1
Ammonium Hydroxide, 30% in w	1	4	1	1	4	1	1
Ammonium Persulfate, 30% in w	1	1	1	1	1	1	1
Ammonium Salts	1	1	1	1	1	1	1
Ammonium Sulphate, 30% in w	1	1	1	1	1	1	1
Amyl Acetate	2	4	4	4	4	1	1
Amyl Alcohol	4	4	4	4	1	4	4
Amyl Chloride	3	4	4	4	4	3	3
Aniline	3	4	4	4	4	3	3
Aniline Hydrochloride	3	4	4	4	4	3	3
Antimony Salts	1	1	1	1	1	1	1
Aqua Regia	4	4	4	4	4	4	4
Aromatic Hydrocarbons	4	4	4	4	4	4	4
Arsenic Acid, 20% in w	3	3	1	1	1	3	3
Arsenic Salts	1	1	1	1	1	1	1
ASTM Reference Nº 1 Oil	3	1	4	4	1	3	3
ASTM Reference Nº 2 Oil	4	2	4	4	1	4	4
ASTM Reference Nº 3 Oil	4	4	4	4	1	4	4
Barium Cabonate, 1% in w	1	1	1	1	1	1	1
Barium Hydroxide, 5% in w	1	1	1	1	1	1	1
Beer	1	1	1	1	1	1	1
Benzaldehyde	4	3	4	4	4	4	4
Benzene	4	4	4	4	4	4	4
Benzenesulfonic Acid	4	4	4	4	4	4	4
Benzoic Acid	2	4	4	4	4	1	1
Benzyl Alcohol	1	1	4	4	1	1	1
Bleach Liquor, 22% in w	1	4	1	1	1	1	1
Borax, 6% in w	1	1	1	1	1	1	1
Boric Acid, 4% in w	1	1	1	1	1	1	1
Bromine, Anhydrous Liquid	4	4	4	4	4	4	4
Butadiene	1	1	1	1	1	4	4
Butane	1	1	1	1	1	1	1
Butyl Acetate	2	4	4	4	4	1	1
Butyl Alcohol	4	4	4	4	1	4	4
Butyric Acid	2	4	4	4	4	1	1
Calcium Carbonate, 25% dilute aci	1	1	1	1	1	1	1
Calcium Chloride, 30% in water	1	1	1	1	1	1	1
Calcium Hydroxide, 10% in glycer	1	1	1	1	1	1	1
Calcium Hypochlorite, 20% in w	1	4	1	1	1	1	1
Calcium Nitate, 55% in w	1	1	1	1	1	1	1
Calcium Salts	1	1	1	1	1	1	1
Calcium Sulphate,0,2% in w	1	1	1	1	1	1	1
Carbon Dioxide, wet/dry	1	1	1	1	1	1	1
Carbon Disulfide	4	4	4	4	2	4	4
Carbon Monoxide	1	1	1	1	1	1	1

	Farmed	Silicone	Tygon 4040	Tygon L ®	Viton ®	Tygon C ®	Tygon G ®
Carbon Tetrachloide	4	4	4	4	4	4	4
Cabonic Acid	1	1	1	1	1	1	1
Castor Oil	3	1	3	4	1	3	3
Cellosolve	3	4	4	4	4	3	3
Cellosolve Acetate	3	4	4	4	4	3	3
Chlorine, dry/ gas	3	4	1	1	1	3	3
Chlorine, wet gas	4	4	1	2	1	4	4
Chloroacetic Acid, 20% in water	2	1	1	1	4	1	1
Chlorobenzene , mono,di, tri	4	4	4	4	4	1	1
Chloroform	3	4	4	4	4	3	3
Chlorosulphonic Acid	4	4	4	4	4	4	4
Chromic Acid, 10-20% in water	1	4	1	2	1	1	1
Chromic Acid 50% in water	3	4	1	3	1	3	3
Citric Acid, 10-20 in water	1	1	1	1	4	1	1
Coconut Oil	3	1	3	4	1	3	3
Corn Syrup	1	1	1	1	1	1	1
Cottonseed Oil	3	1	3	4	1	3	3
Cresol(m,o,or p)	4	2	3	4	1	4	4
Cresylic Acid	2	4	4	4	4	1	1
Cupric Chloride, 40% in w	1	1	1	1	1	1	1
Cupric Nitrate, 70% in w	1	1	1	1	1	1	1
Cupric Sulphate, 13% in w	1	1	1	1	1	1	1
Cyclohexane	4	4	4	4	1	1	1
Ciclohexanone	4	4	4	4	4	4	4
Detergent Solutions	2	1	1	1	1	1	1
Dibutyl Phthalate	1	1	3	3	1	1	1
Diesel Fuel	4	4	4	4	1	4	4
Diethylamine	1	4	1	1	4	1	1
Diethylene Glycol	1	1	1	1	1	1	1
Dimetylformamide	2	1	4	4	4	1	1
Dimethylsulfoxide	4	3	4	4	4	4	4
Dioctyl Phthalate	1	1	3	3	1	1	1
Dioxane	4	4	4	4	4	4	4
Ether	3	4	4	4	4	3	3
Ethyl Acetate	2	4	4	4	4	1	1
Ethyl Alcohol	1	2	4	4	4	1	1
Ethyl Benzoate	4	4	4	4	4	4	4
Ethyl Chloride	3	4	4	4	4	3	3
Ethyl Ether	3	4	4	4	4	3	3
Ethylene Bromide	4	1	4	4	1	4	4
Ethylene Chlorohydrin	1	2	4	4	4	1	1
Ethylene Dichloride	3	4	4	4	4	3	3
Ethylene Glycerol	1	1	1	1	1	1	1
Ethylene Oxide	1	1	1	1	1	1	1
Fatty Acids	3	2	4	4	1	3	3
Ferric Chloride, 43% in water	1	1	1	1	1	1	1
Ferric Nitrate, 60% in water	1	1	1	1	1	1	1
Ferric Sulphate, 5% in water	1	1	1	1	1	1	1
Ferrous Chloride, 40% in water	1	1	1	1	1	1	1
Ferrous Sulphate, 5% in water	1	1	1	1	1	1	1
Fluoboric Acid, 40% in water	4	4	1	1	1	4	4
Fluorine Gas	4	4	4	4	2	4	4
Fluosilicic Acid, 25% in water	3	3	1	1	1	3	3
Formaldehyde, 37% in water	4	3	4	4	4	1	1
Formic Acid, 25% in water	1	1	1	1	1	1	1
Formic Acid, 40-50% in water	2	1	2	2	3	1	1
Formic Acid, 98% in water	2	1	2	2	4	1	1
Freon 11	1	1	1	1	2	Nd	Nd
Freon 12	1	1	1	1	2	Nd	Nd
Freon 22	1	1	1	1	2	Nd	Nd
Fruit Juice	1	1	1	1	1	1	1
Fuel Oil	4	4	4	4	1	4	1
Furfural	4	4	4	4	4	1	1
Gallic Acid, 17% in acetone	2	4	4	4	4	1	1
Gasoline, automotive	4	4	4	4	1	4	4
Gelatin	1	1	1	1	1	1	1
Glucose, 50% in water	1	1	1	1	1	1	1
Heptane	4	4	4	4	2	4	4
Hexane	4	4	4	4	2	4	4
Hydrazine	3	4	4	4	4	3	3
Hydrobromic Acid, 20-50% in w	4	4	1	1	1	4	4
Hydrobromic Acid, 100% in w	4	1	1	1	1	1	1
Hydrchloric Acid, 10% in water	1	4	1	1	1	1	1
Hydrochloric Acis, 37% in water	2	1	1	1	2	1	1
Hydrocyanic Acid	1	1	1	1	4	1	1

	Farmed	Silicone	Tygon 4040	Tygon L ®	Viton ®	Tygon C ®	Tygon G ®
Hydrofluoric Acid, 10% in water	4	4	1	1	1	4	4
Hydrofluoric Acid, 25% in water	4	4	1	1	1	4	4
Hydrofluoric Acid, 40-48% in w	4	4	1	3	1	4	4
Hydrogen gas	1	1	1	1	1	1	1
Hydrogen Peroxide, 3% in w	1	1	1	1	1	1	1
Hydrogen Peroxide, 10% in w	1	1	1	1	1	1	1
Hydrogen Peroxide, 30% in w	1	1	1	1	1	1	1
Hydrogen Peroxide, 90% in w	2	3	3	4	1	1	1
Hydrogen Sulfide	1	1	1	1	1	1	1
Hydroquinone, 7% in water	2	2	1	1	1	1	1
Hypochlorous Acid, 25% in w	1	1	1	1	1	1	1
Iodine, 50ppm in water	1	1	1	1	1	1	1
Isobutyl Alcohol	3	4	4	4	1	3	3
Isooctane	4	4	4	4	1	4	4
Isopropyl Acetate	2	4	4	4	4	1	1
Isopropyl Alcohol	3	4	4	4	1	3	3
Isopropyl Ether	3	4	4	4	4	3	3
Jet Fuel,JP8	4	4	4	4	1	4	4
Kerosene	4	4	4	4	1	4	4
Ketones	4	4	4	4	4	4	4
Lacquer Solvents	2	4	4	4	4	1	1
Lactic Acid, 3-10% in water	1	1	1	1	4	1	1
Lactic Acid, 85% in wate	2	4	4	4	4	1	1
Lard, animal fat	3	1	3	4	1	3	3
Lead Acetate, 35% in water	1	1	1	1	1	1	1
Lead Salts	1	1	1	1	1	1	1
Lemon Oil	4	4	4	4	1	4	4
Limonene-D	4	4	4	4	1	4	4
Linoleic Acid	3	2	4	4	1	3	3
Linseed Oil	3	1	3	4	1	3	3
Lubricating Oils, Petroleum	4	2	4	4	1	4	4
Magnesium Carbonate, 1% in w	1	1	1	1	1	1	1
Magnesium Chloride, 35% in w	1	1	1	1	1	1	1
Magnesium Hydroxide, 10% in d.a	1	1	1	1	1	1	1
Magnesium Nitrate, 50% in w	1	1	1	1	1	1	1
Magnesium Sulphate, 25% in w	1	1	1	1	1	1	1
Maleic Acid, 30% in water	3	2	4	4	1	3	3
Malic Acid, 36% in water	1	1	1	1	4	1	1
Manganese Salts	1	1	1	1	1	1	1
Mercuric Chloride, 6% in water	1	1	1	1	1	1	1
Mercuric Cyanide, 8% in water	1	1	1	1	1	1	1
Mercury	1	1	1	1	1	1	1
Mercury Salts	1	1	1	1	1	1	1
Methane gas	1	1	1	1	1	1	1
Methanol	1	2	4	4	4	1	1
Methyl Acetate	2	4	4	4	4	1	1
Methyl Bromide	3	4	4	4	4	3	3
Methyl Chloride	3	4	4	4	4	3	3
Methyl Ethyl Ketone	4	4	4	4	4	4	4
Methyl Isobutyl Ketone	4	4	4	4	4	4	4
Methyl Methacrylate	4	4	4	4	3	4	4
Methylene Chloride	3	4	4	4	4	3	3
Milk	1	1	1	1	1	1	1
Mineral Oil	4	4	2	3	1	4	4
Mineral Spirits	4	4	4	4	1	4	4
Molasses	1	1	1	1	1	1	1
Monoethanolamine	3	4	4	4	4	3	3
Motor Oil	4	4	4	4	1	4	4
Naphta	4	4	4	4	1	4	4
Naphtalene	4	4	4	4	1	4	4
Natural gas	1	1	1	1	1	1	1
Nickel Chloride,40% in w	1	1	1	1	1	1	1
Nickel Nitrate, 75% in w	1	1	1	1	1	1	1
Nickel Sulphate, 25% in w	1	1	1	1	1	1	1
Nitric Acid, 10% in w	1	3	1	1	1	1	1
Nitric Acid, 35% in w	1	4	1	1	3	1	1
Nitric Acid, 68-71% in w	4	4	4	4	4	4	4
Nitrobenzene	4	4	4	4	4	4	4
Nitromethane	4	4	4	4	4	4	4
Nitrous Acid, 10% in w	1	2	1	1	1	1	1
Nitrous Oxide	1	1	1	1	1	1	1
Oils, animal	3	1	3	4	1	3	3
Oils, essential	4	4	4	4	1	4	4
Oils, hydraulic(Phosphate ester)	4	4	3	4	1	4	4
Oils, hydrocarbons	4	2	4	4	1	4	4
Oils, vegetable	3	1	3	4	1	3	3

	Farmed	Silicone	Tygon 4040	Tygon L ®	Viton ®	Tygon C ®	Tygon G ®
Oleic Acid	3	2	4	4	1	3	3
Oleum, 25% in w	1	2	1	1	1	1	1
Ortho Dichlorobenzene	4	4	4	4	4	4	4
Oxalic Acid, 12% in w	2	1	2	2	4	1	1
Oxygen	1	1	1	1	1	1	1
Ozone, 300pphm	1	1	1	1	1	1	1
Palmitic Acid, 100% in ether	3	2	4	4	1	3	3
Paraffins	4	4	4	4	2	4	4
Perchloric Acid, 67% in w	1	4	2	3	1	1	1
Perchloroethylene	3	4	4	4	4	3	3
Phenol, 5-10% in w	1	4	1	2	1	1	1
Phenol, 91% in w	1	2	3	4	1	1	1
Phosphoric Acid, <10% in w	1	3	1	1	1	1	1
Phosphoric Acid, 25% in w	1	4	1	1	1	1	1
Phosphoric Acid, 85% in w	1	4	1	1	1	1	1
Phosphorous Trichloride Acid	2	4	1	1	2	1	1
Photographic solutions	2	2	1	1	1	1	1
Phtalic Acid, 9% in alc	1	2	3	4	1	1	1
Phtalic Anhydride, 9% in w	1	1	4	4	4	1	1
Picric Acid, 1% in w	4	4	1	1	1	4	4
Plating solutions	1	4	1	1	1	1	1
Potassium Carbonate, 55% in w	1	1	1	1	1	1	1
Potassium Cyanide, 33% in w	1	1	1	1	1	1	1
Potassium Dichromate, 5% in w	1	1	1	1	1	1	1
Potassium Hydroxide,<10% in w	1	1	1	1	1	1	1
Potassium Iodide, 56% in w	1	1	1	1	1	1	1
Potassium Permanganate, 6% in w	1	1	1	1	1	1	1
Potassium salts	1	1	1	1	1	1	1
Propane gas	1	1	1	1	1	1	1
Propylene Glycol	1	1	1	1	1	1	1
Propylene Oxide	1	1	1	1	1	1	1
Pyridine	3	4	4	4	4	3	3
Salicylic Acid, 1% in w	1	1	1	1	4	1	1
Silicone Oils	3	4	2	2	1	3	3
Silver Nitrate, 55% in w	1	1	1	1	1	1	1
Skydrol 500A	4	4	3	4	1	4	4
Soap Solutions	2	1	1	1	1	1	1
Sodium Acetate, 55% in w	1	1	1	1	1	1	1
Sodium Benzoate, 22% in w	1	1	1	1	1	1	1
Sodium Bicarbonate, 7% in w	1	1	1	1	1	1	1
Sodium Carbonate, 7% in w	1	1	1	1	1	1	1
Sodium Chlorate, 45% in w	1	1	1	1	1	1	1
Sodium Chloride, 20% in w	1	1	1	1	1	1	1
Sodium Cyanide, 30% in w	1	1	1	1	1	1	1
Sodium Fluoride, 3% in w	1	1	1	1	1	1	1
Sodium Hydroxide, 10-15% in w	1	1	1	1	1	1	1
Sodium Hydroxide, 30-40% in w	1	1	1	3	1	1	1
Sodium Hypochlorite, 5.5% in w	1	4	1	1	1	1	1
Sodium Hypochlorite,12.2% in w	1	4	1	1	1	1	1
Sodium Nitrate, 3.5% in w	1	1	1	1	1	1	1
Sodium salts	1	1	1	1	1	1	1
Sodium Suphate, 3.6% in w	1	1	1	1	1	1	1
Sodium Sulfide, 13% in w	1	1	1	1	1	1	1
Stannic Chloride, 50% in w	1	1	1	1	1	1	1
Stannous Chloride, 45% in w	1	1	1	1	1	1	1
Stearic Acid, 5% in alc	3	2	4	4	1	3	3
Styrene monomer	4	4	4	4	3	4	4
Sulfur Chloride	4	4	4	4	1	4	4
Sulfur Dioxide, dry gas	1	1	1	1	1	1	1
Sulfur Dioxide, wet gas	1	1	1	1	1	1	1
Sulfur Trioxide, wet	2	2	2	2	2	1	1
Sulfuric Acid, 10% in w	1	1	1	1	1	1	1
Sulfuric Acid, 30% in w	1	2	1	1	1	1	1
Sulfuric Acid, 96% in w	4	4	4	4	1	4	4
Sulfurous Acid	1	1	1	1	1	1	1
Tannic Acid, 75% in w	2	1	2	2	4	1	1
Tartaric Acid, 56% in w	1	1	1	1	1	1	1
Tetrahydrofuran	4	4	4	4	4	4	4
Thionyl Chloride	1	1	1	1	1	1	1
Tin salts	1	1	1	1	1	1	1
Titanium salts	1	1	1	1	1	1	1
Toluene	4	4	4	4	3	4	4
Trichloroacetic Acid, 90% in w	2	1	1	1	4	1	4
Trichloroethane	3	4	4	4	4	3	3

Triethanolamine	3	4	4	4	4	3	3
Trichloroethylene	3	4	4	4	4	3	3
Trichloropropane	3	4	4	4	4	3	3
Tricresyl Phospahte	1	1	3	3	1	1	1
Trisodium Phosphate	1	1	1	1	1	1	1
Turpentine	4	4	4	4	1	4	4
Urea, 20% in w	1	1	1	1	1	1	1
Uric Acid	1	1	1	1	3	1	1
Vinegar	1	1	1	1	4	1	1
Vinyl Acetate	2	4	4	4	4	1	1
Water, deionized	1	1	1	1	1	1	1
Water, distilled	1	1	1	1	1	1	1
Xylene	4	4	4	4	3	4	4
Zinc Chloride, 80% in w	1	1	1	1	1	1	1
Zinc salts	1	1	1	1	1	1	1

Codes for calibrated tube of 1.6 mm thickness wall, 1 meter.

Tube/Inside Ø	0.5mm	0.8mm	1.6mm	3.2mm	4.0mm	4.8mm	6.4mm	8.0mm	9.6mm
Farmed	1.8710.05	1.8710.08	1.8710.16	1.8710.32		1.8710.48	1.8710.64	1.8710.80	1.8710.95
Tygon A-60-C ®			1.8740.16	1.8740.32		1.8740.48	1.8740.64	1.8740.80	
Tygon A-60-G ®			1.8750.16	1.8750.32		1.8750.48	1.8750.64	1.8750.80	
Silicon	1.8760.05	1.8760.08	1.8760.16	1.8760.32	1.8760.40	1.8760.48	1.8760.64	1.8760.80	1.8760.95
Tygon L ®			1.8770.16	1.8770.32		1.8770.48	1.8770.64	1.8770.80	
Tygon 4040 ®				1.8780.32		1.8780.48	1.8780.64		
Viton ®			1.8790.16	1.8790.32		1.8790.48	1.8790.64	1.8790.80	

Codes for calibrated tube of 2.4mm thickness wall, 1 meter

Tube/Inside Ø	8.0mm	9.6mm
Farmed	1.8710.82	1.8710.96
Silicon	1.8760.81	1.8760.96

Pump Head 50. Codes for tubes and connectors. Pk of 5 units.

Tube/Inside diam.	0.5 mm*	0.8 mm*	1.6 mm	3.2 mm	4.0 mm	4.8 mm	6.4 mm
Farmed	1.8715.05	1.8715.08	1.8715.16	1.8715.32		1.8715.48	
Tygon A-60-C ®			1.8745.16	1.8745.32		1.8745.48	1.8745.64
Tygon A-60-G ®			1.8755.16	1.8755.32		1.8755.48	1.8755.64
Silicon	1.8765.05	1.8765.08	1.8765.16	1.8765.32	1.8765.40	1.8765.48	1.8765.64
Tygon L ®			1.8775.16	1.8775.32		1.8775.48	1.8775.64
Tygon 4040 ®				1.8785.32		1.8785.48	
Viton ®			1.8795.16	1.8795.32		1.8795.48	1.8795.64

* Packs of 0.5mm. and 0.8mm. for 3 units.

Connector codes with 1m tube and 2 stainless steel capillaries for CF-3r or CF-4r heads

Tube, inside Ø	0.5mm	0.8mm
Farmed	1.8711.05	1.8711.08
Silicon	1.8761.05	1.8761.08

For connectors of CF-3r or CF-4r heads with 0.5mm and 0.8mm Ø tubes longer than 1meter acquire the tubes, see table, and the capillaries code 1.0077.23, bag of 10 units, if required.

In the case of needing tubes with diameters greater than 0.8mm , see the tube table and acquire the tube and the white PP connectors that are required:

White PP connector for Ø tubes between 1.6 and 4.0mm Ø. Code 1.0077.22 in bag of 10 units
White PP connector for Ø tubes between 4.8 and 6.4mm Ø. Code 1.0077.15 in bag of 10 units

DINTER, S.A C/ Encarnació, 123-125. Phone. +34 93 284 69 62 Fax +34 93 210 43 07. 08024-Barcelona
E-mail: dinter@dinko.es www.dinko.es