

# TUBING

## METRIC FLEXIBLE NYLON 12

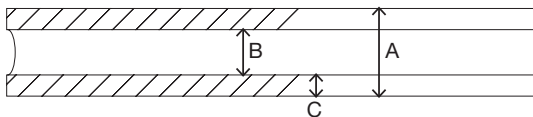
### (BS5409 & DIN 73378)

#### Ordering Code

B N T M	0 4	/	0 2 5	N	-	1 0 0
Model	O.D.	I.D.	Colour	Length		
BNTM Nylon Metric	03 : 3mm 04 : 4mm 05 : 5mm 06 : 6mm 08 : 8mm 10 : 10mm 12 : 12mm 14 : 14mm 16 : 16mm	015 : 1.5mm 2 : 2mm 025 : 2.5mm 030 : 2.5mm 040 : 4mm 060 : 6mm 070 : 7mm 080 : 8mm 090 : 9mm 100 : 10mm 110 : 110mm 130 : 130mm	Blank : Natural N : Black R : Red Y : Yellow B : Blue G : Green	Blank : 30 metre 100 : 100 metre 500 : 500 metre		



**Tube is not suitable for use with water or in high humidity environments**



A = O.D. mm  
B = I.D. mm  
C = Wall Thickness mm

#### Technical Data

A	B	C	Working Pressure @ 23°C (bar)	Bend Radius (mm)
3	1.5	0.6	200 psi	6mm
4	2	0.75	350 psi	8mm
4	2.5	0.75	400 psi	8mm
5	3	1	400 psi	10mm
6	4	1	350 psi	13mm
8	6	1.25	350 psi	32mm
10	7	1.5	300 psi	26mm
10	8	1.75	220 psi	50mm
12	9	2	250 psi	45mm
12	10	2	200 psi	60mm
14	11	2.5	250 psi	60mm
16	13	2.5	200 psi	85mm

#### Product Features

- 1 Manufactured from quality grade nylon granules.
- 2 The properties of this tube make it ideal for use in pneumatic control systems, chemical transfer and low-pressure hydraulic systems.
- 3 U.V. stable.
- 4 Silicone free.
- 5 Abrasion resistant.
- 6 Available in a range of colours.
- 7 Selected 30m coils are supplied in convenient wall-mountable storage and supply box. Neatly stores tubing, allowing sections to be cut when required.

#### Tolerances

4mm – 10mm OD  $\pm$  0.1mm

11mm – 18mm OD  $\pm$  0.15mm

$\pm$ 0.5% on weight

#### Working Pressure

4 to 1 safety factor

#### Temperature

-40°C to +80°C

# TUBING

## METRIC FLEXIBLE NYLON TUBE

### Dimensions

Model	OD (mm)	ID (mm)	Colour	Length Metre
BNTM03/015	3	1.5	Natural	30
BNTM04/2	4	2	Natural	30
BNTM04/025	4	2.5	Natural	30
BNTM04/025N	4	2.5	Black	30
BNTM04/025B	4	2.5	Blue	30
BNTM04/025G	4	2.5	Green	30
BNTM04/025R	4	2.5	Red	30
BNTM05/030	5	3	Natural	30
BNTM05/030N	5	3	Black	30
BNTM05/030B	5	3	Blue	30
BNTM06/030	6	3	Natural	30
BNTM06/040	6	4	Natural	30
BNTM06/040N	6	4	Black	30
BNTM06/040B	6	4	Blue	30
BNTM06/040G	6	4	Green	30
BNTM06/040R	6	4	Red	30
BNTM06/040Y	6	4	Yellow	30
BNTM08/060	8	6	Natural	30
BNTM08/060N	8	6	Black	30
BNTM08/060B	8	6	Blue	30
BNTM08/060R	8	6	Red	30
BNTM08/060Y	8	6	Yellow	30
BNTM10/070	10	7	Natural	30
BNTM10/070N	10	7	Black	30
BNTM10/070B	10	7	Blue	30
BNTM10/070R	10	7	Red	30
BNTM10/080	10	8	Natural	30
BNTM10/080N	10	8	Black	30
BNTM10/080B	10	8	Blue	30
BNTM10/080R	10	8	Red	30
BNTM12/090	12	9	Natural	30

Model	OD (mm)	ID (mm)	Colour	Length Metre
BNTM12/090N	12	9	Black	30
BNTM12/090B	12	9	Blue	30
BNTM12/090R	12	9	Red	30
BNTM12/100	12	10	Natural	30
BNTM12/100N	12	10	Black	30
BNTM14/110	14	11	Natural	30
BNTM14/110N	14	11	Black	30
BNTM16/130	16	13	Natural	30
BNTM04/025-100	4	2.5	Natural	100
BNTM05/030-100	5	3	Natural	100
BNTM06/040-100	6	4	Natural	100
BNTM06/040N-100	6	4	Black	100
BNTM06/040B-100	6	4	Blue	100
BNTM06/040G-100	6	4	Green	100
BNTM06/040R-100	6	4	Red	100
BNTM06/040Y-100	6	4	Yellow	100
BNTM08/060-100	8	6	Natural	100
BNTM08/060N-100	8	6	Black	100
BNTM08/060B-100	8	6	Blue	100
BNTM08/060G-100	8	6	Green	100
BNTM08/060R-100	8	6	Red	100
BNTM08/060Y-100	8	6	Yellow	100
BNTM10/080-100	10	8	Natural	100
BNTM10/080N-100	10	8	Black	100
BNTM10/080B-100	10	8	Blue	100
BNTM10/080R-100	10	8	Red	100
BNTM06/040-500	6	4	Natural	500
BNTM06/040B-500	6	4	Blue	500
BNTM08/060-500	8	6	Natural	500
BNTM08/060B-500	8	6	Blue	500

# CHEMICAL RESISTANCE CHART

N	PUR	PE	PVC		N	PUR	PE	PVC		N	PUR	PE	PVC	
4	4	1	4	Acetic Acid, Glacial	-	4	1	4	Ethylene Chloride	3	2	-	4	Picric Acid
4	4	1	4	Acetic acid, 30%	-	4	2	4	EthyleneGlycol	-	4	-	-	Potassium Acetate (aq)
4	4	2	4	Acetone	-	4	2	4	Ethylene Oxide	-	4	-	-	Potassium Chloride (aq)
4	4	1	1	Acetylene	-	4	1	1	Ethylene Trichloride	-	1	1	1	Potassium Cyanide (aq)
4	-	-	-	Akazene	-	4	-	-	Ferric Chloride (aq)	3	4	1	1	Potassium Hydroxide (aq)
-	3	2	1	Aluminum Chloride (aq)	-	3	2	1	Ferric Nitrate (aq)	-	1	1	1	Producer Gas
-	-	-	-	Aluminum Nitrate (aq)	-	3	-	-	Ferric Sulfate (aq)	1	3	3	1	Propane
4	4	2	1	Ammonia Anhyarous	-	4	2	1	Fluorine (Liqued)	-	4	-	-	Propyl Alcohol
4	3	-	-	Ammonia Gas (cold)	-	3	-	-	Formaldehyde (RT)	-	4	-	-	Propylene
4	4	-	-	Ammonia Gas (hot)	-	4	-	-	Formic Acid	-	4	-	-	Propylene Oxide
1	1	1	1	Ammonium Chloride (aq)	-	1	1	1	Freon 11	-	4	-	-	Pydraul, 10E, 29 ELT
1	1	1	1	Ammonium Sulfate (aq)	-	1	1	1	Freon 12	-	4	-	-	Pydraul 30E, 50E, 65E
-	-	-	-	Animal Fats	-	-	-	-	Freon 22	-	4	-	-	Pydraul,115E
4	4	2	1	Amyl Alcohol	-	4	2	1	Fuel Oil	-	4	-	-	Pydraul 230E, 312C, 540C
4	1	-	-	Amyl Naphthalene	-	4	-	-	Futural Glucose	-	2	-	-	Rapeseed Oil
4	4	2	3	Aqua Regia	-	4	2	3	Glue	-	1	-	-	Red Oil (MIL-H-5606)
4	3	2	1	Arsenic Acid	-	3	2	1	Glycerin	-	1	-	-	RJ-1 (MIL-F-2338 B)
2	2	1	1	Asphalt	-	2	1	1	Glycols	-	1	-	-	RP-1 (MIL-F-25576 C)
3	3	-	-	ASTM Fuel A	-	3	-	-	Green Sulfate Liquor	-	-	-	-	Salt Water
3	3	1	1	ASTM Fuel B	-	3	1	1	Hexane	1	2	1	1	Sewage
3	3	1	1	ASTM Fuel C	-	3	1	1	Hydraulic Oil	-	4	-	-	Silicate Esters
1	2	1	1	Barium Chloride (aq)	-	1	1	1	Hydrochloric Acid (cold) 37%	-	1	1	1	Silicone Oils
1	2	1	1	Beer	-	2	1	1	Hydrochloric Acid (hot) 37%	-	1	1	1	Silver Nitrate
4	4	1	1	Beet Sugar Liquors	-	4	1	1	Hydrofluoric Acid (Conc.)Cold	-	4	-	-	Skydrol 500
1	3	3	3	Benzene	1	3	3	3	Hydrofluoric Acid (Conc.) Hot	-	4	-	-	Skydrol 700
4	4	-	-	Benzine	-	4	-	-	Hydrogen Gas	-	4	-	-	Soap Solutions
4	4	-	-	Blast Furnace Gas	-	4	-	-	Isobutyl Alcohol	1	3	3	1	Sodium Chloride (aq)
4	4	-	-	Bleach Solutions	-	4	-	-	Isooctane	1	1	1	1	Sodium Hydroxide (aq)
1	1	2	2	Borax	-	1	2	2	Isopropyl Acetate	2	4	2	1	Sodium Peroxide (aq)
1	1	1	1	Boric Acid	-	1	1	1	Isopropyl Alcohol	-	4	1	2	Sodium Phosphate (aq)
-	-	-	-	Brake Fluid	-	-	-	-	Isopropyl Ether	-	1	1	1	Sodium Sulfate (aq)
4	4	3	3	Brine	-	4	3	3	Kerosene	-	1	1	1	Soy Bean Oil
4	4	-	-	Bromine Water	-	4	-	-	Lacquers	-	2	1	1	Steam Under 300°F
1	1	3	3	Bunker Oil	-	1	3	3	Lacquer Solvents	4	4	-	-	Steam Over 300°F
1	1	-	-	Butane	-	1	-	-	Lard	4	4	-	-	Stoddard Solvent
1	1	-	-	Butter	-	1	-	-	Lavender Oil	-	1	3	3	Styrene
3	4	1	2	Butyl Alcohol	3	4	1	2	Lead Acetate (aq)	-	3	-	-	Sucrose Soltution
4	4	1	1	Butylene	-	4	1	1	Linsed Oil	-	4	-	-	Sulfuric Acid (Dilute)
1	2	1	1	Calcium Chloride (aq)	-	1	2	1	Liquidified Petrolatum Gos	-	3	1	1	Sulfuric Acid (Conc.)
1	2	1	1	Calcium Hydroxide (aq)	-	1	2	1	Lubricating Oils	-	4	3	4	Sulfuric Acid (20% Oleum)
1	1	-	-	Calcium Nitrate (aq)	-	1	-	-	Lye	-	4	-	-	Sulfurous Acid
1	1	-	-	Calcium Sulfide (aq)	-	1	-	-	Magnesium Chloride (aq)	-	3	2	1	Tonic Acid
-	-	-	-	Cane Sugar Liquors	-	-	-	-	Magnesium Hydroxide (aq)	-	1	2	1	Tetrochloroethylene
4	3	3	3	Carbolic Acid	-	4	3	3	Mercury	-	4	2	4	Toluene
1	3	1	2	Carbon Dioxide	-	1	3	2	Methane	1	4	3	4	Transformer Oil
1	1	2	1	Carbonic Acid	-	1	2	1	Methyl Acetate	-	1	-	-	Transmission Fluid Type A
1	2	1	2	Carbon Monoxide	-	1	2	1	Methyl Acrylate	-	1	-	-	Trichloroethane
3	4	2	2	Carbon Tetrachloride	-	3	4	2	Methyl Alcohol	3	4	3	4	Trichoroethylene
-	-	-	-	Castor Oil	-	-	-	-	Methyl Butyl Ketone	-	1	3	-	Turbine Oil
4	4	2	1	Chlorine (dry)	-	4	2	1	Methyl Chloride	-	1	3	2	Turpentine
4	4	1	1	Chlorine (wet)	-	4	1	1	Methylene Cholride	1	4	3	4	Vamish
3	4	3	4	Chloroform	-	3	4	3	Methyl Ethyl Ketone	1	3	3	4	Vinegar
4	4	-	-	Chlorox	-	4	-	-	Methyl Isobutl Ktone	1	4	2	1	Vinyl Chloride
4	4	1	1	Chromic Acid	-	4	1	1	Milk	-	4	-	-	Water
1	1	2	2	Citric Acid	1	1	2	2	Mineral Oil	1	1	1	1	Whiskey
1	3	-	-	Coal Tar	-	3	-	-	Naphtha	1	2	3	1	White Oil
2	-	1	1	Coconut Oil	-	-	1	1	Naphtalene	-	1	-	-	Wood Oil
4	1	-	-	Cod Liver Oil	-	4	-	-	Natural Gas	-	3	-	-	Xylene
4	1	-	-	Coke Oven Gas	-	4	-	-	Neatsfoot Oil	2	4	3	4	Zinc Acetate (aq)
1	2	1	2	Copper Chloride (aq)	-	1	2	1	Nitric Acid (Conc.)	-	4	1	-	Zinc Chloride (aq)
-	-	-	-	Copper Chloride (aq)	-	-	-	-	Nitric Acid (Dilute)	1	1	-	-	
1	3	2	2	Com Oil	-	1	3	2	Nitroethane	-	-	-	-	
4	1	2	2	Cotton Seed Oil	-	4	2	2	Nitrogen	-	-	-	-	
4	4	3	4	Creosot	-	4	3	4	N-Octane	-	-	-	-	
1	1	2	4	Cychlohexane	-	1	2	4	Oleic Acid	-	-	-	-	
-	-	-	-	Denaturated Aicohol	-	-	-	-	Oleum Spirits	-	-	-	-	
-	-	-	-	Detergent Solution	-	-	-	-	Olive Oil	-	-	-	-	
4	3	1	1	Diesel Oil	-	4	1	1	Oxygen-Cold	-	-	-	-	
4	3	-	-	Dioxane	-	3	-	-	Oxygen (200-400°F)	-	-	-	-	
4	3	-	-	Dowtherm Oil	-	4	-	-	Paint Thnner, Duco	-	-	-	-	
4	3	-	-	Dry Cteaning Fluids	-	3	-	-	Perchloric Acid	-	-	-	-	
3	-	4	-	Ethane	-	-	4	-	Perchloroethylene	-	-	-	-	
4	-	-	-	Ethyl Acrylate	-	-	-	-	Petrolenm-Below 250°F	-	-	-	-	
3	4	-	-	Ethyl Alcohol	-	3	-	-	Petroleum-Above 250 F	-	-	-	-	
4	-	-	-	Ethyl Benzine	-	4	-	-	Phenol	-	-	-	-	
2	-	-	-	Ethyl Cellulose	-	2	-	-	Phenyl Ethyl Ether	-	-	-	-	
2	-	-	-	Ethyl Chlonde	-	2	-	-	Phosphoric Acid-45%	-	-	-	-	
3	-	-	-	Ethyl Ether	-	3	-	-	Pickling Solution	-	-	-	-	

## NYLON 6, 12 & POLYURETHANE ETHER BASE/PE POLYETHYLENE/PVC POLYVINYL CHLORIDE

Please Note: The above ratings are very general guidelines and designed only to be used as an initial screening tool.

Careful testing under actual conditions essential. Accuracy for these ratings is not given or implied.

Ratings: 1. Little or no impact/  
2. Minor effect/ 3. Moderate effect/  
4. Severe effect.