

## 846236 – BI-POLYMER TUBINGS

GISS Bi-Polymer tubing is very innovative combining in one product the best properties of Polyurethane and Polyamide. An exclusive recipe of co-polymers that grants to the tubing high flexibility, excellent bending radius, good chemical resistance, excellent temperature resistance:



- Extreme flexibility and kinking behaviour
- Very good dimensional stability
- Good resistance to hydrolysis
- Good chemical resistance
- Excellent abrasion resistance
- Large working temperature (from -40°C to +100°C)

These tubes are particularly indicated for the pneumatic market, when a tight bending radius is needed for installation in narrow cabinets, along with combined pressure up to 12 bars. Ideal for push-in fittings.

### Dimensions

Internal Diameter (mm)	External Diameter (mm)	Wall (mm)	Working Pressure at 23°C (Bar)	Burst Pressure (Bar)	Bending Ration (mm)	CODE 25m	CODE 100m	Colour
2.5	4	0.75	22	65	10	860502	860523	Blue
2.5	4	0.75	22	65	10	860500	860521	White
2.5	4	0.75	22	65	10	860501	860522	Black
2.5	4	0.75	22	65	10	860503	860524	Green
2.5	4	0.75	22	65	10	860504	860525	Red
2.5	4	0.75	22	65	10	860505	860526	Yellow
4	6	1	19	57	15	846239	846248	Blue
4	6	1	19	57	15	846237	846246	White
4	6	1	19	57	15	846238	846247	Black
4	6	1	19	57	15	860506	860527	Green
4	6	1	19	57	15	860507	860528	Red
4	6	1	19	57	15	860508	860529	Yellow
6	8	1	16	47	25	846242	846251	Blue
6	8	1	16	47	25	846240	846249	White
6	8	1	16	47	25	846241	846250	Black
6	8	1	16	47	25	860509	860530	Green
6	8	1	16	47	25	860510	860531	Red
6	8	1	16	47	25	860511	860532	Yellow
8	10	1	12	36	35	846245	860534	Blue
8	10	1	12	36	35	846243	846252	White
8	10	1	12	36	35	846244	860533	Black
8	10	1	12	36	35	860512	860535	Green
8	10	1	12	36	35	860513	860536	Red
8	10	1	12	36	35	860514	860537	Yellow

Internal Diameter (mm)	External Diameter (mm)	Wall (mm)	Working Pressure at 23°C (Bar)	Burst Pressure (Bar)	Bending Ration (mm)	GISS 25m	GISS 100m	Colour
9	12	1.5	13	40	45	860517	860540	Blue
9	12	1.5	13	40	45	860515	860538	White
9	12	1.5	13	40	45	860516	860539	Dark Blue
9	12	1.5	13	40	45	860518	860541	Green
9	12	1.5	13	40	45	860519	860542	Red
9	12	1.5	13	40	45	860520	860543	Yellow

## Physical Characteristics:

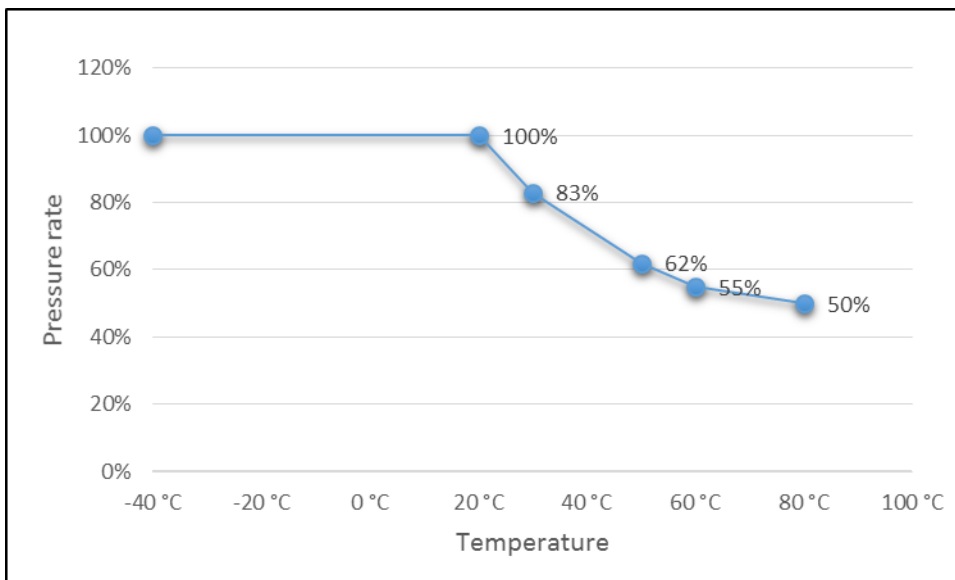
**Temperature Range:** from -40°C TO +100°C

**Tolerance on external diameter:**

From 4 mm to 12 mm : +/- 0.10 mm

From 12 mm to 15 mm : +/- 0.15 mm

**Pressure variation as fusion of the temperature:**



## Chemical Compatibility

For more information, see the Chemical Compatibility Table for Tubings.