

# Plutone Bio



## Plutone Bio

**Colour:** Transparent with a steel spiral

**Temperature Range:** -10°C + 60°C

### Suitable for:

**Applications:** Food, Bio Range

**Industries:** Bio Compounds, Food

### Features

**Technical Features:** flexible hose produced with Biovinyl™ and reinforced with steel spiral. Smooth inside and outside to ensure the optimization of flow. **Completely free from phthalates.** Resistant to several chemicals, weather conditions, ozone and UV rays.

**Biovinyl™:** a revolutionary bio-based compound, obtained mainly from renewable biological sources. It allows to reduce CO2 emissions during its production and disposal process.

**Standards:** Food grade according to EC 10/2011 Regulation (classes A,B,C and dry food) and to FDA (CFR 21 Parts 170 to 199 Item 175.300), RoHS 2011/65/EU Directive, REACH Regulation (1907/2006), TRB S 2153.

It can be made **electrically bonded** by earthing the steel spiral in accordance to TRB S 2153. (For further info regarding Electrical Resistance [click here](#)). The electrical resistance  $R \leq 10^2$  Ohm/m is according to ISO 8031 - ATEX Directive 94/4/EC and 99/92/EC).

**IPL products are manufactured under GMP - Good Manufacturing Practice according to Regulation (CE) N. 2023/2006, regarding materials and goods intended to come into contact with foodstuff**

### Application Fields

Ideal for delivery food liquids such as drinks, beverages, fruit juices, wine, vinegar and spirits with max. alcohol content of 20%, as well as powders and dry food. No suitable for milk, dairy products and fatty food. It is often used for filling machines and dispensers.

For different coil length contact Sales office.

### Technical Data

Part Number	Inside Ø	Outside Ø	Weight	Working Pressure	Bursting Pressure	Vacuum	Bending Radius	Coil Length	Volume
	mm	mm	g/m	bar	bar	mH2O	mm	m	m <sup>3</sup>
B2 01 006.0 012.2	6	12,2	130	5.0	25	9.5	30	30/60	0,019
B2 01 008.0 014.2	8	14,2	160	5.0	25	9.5	40	30/60	0,022
B2 01 010.0 016.0	10	16	185	7,0	35	8,5	50	30/60	0,028
B2 01 012.0 018.0	12	18	210	7,0	35	8,5	50	30/60	0,033
B2 01 014.0 020.0	14	20	230	7,0	35	8,5	60	30/60	0,039
B2 01 016.0 022.4	16	22,4	275	7,0	35	8,5	70	30/60	0,048
B2 01 018.0 024.4	18	24,4	300	6.0	30	8.5	80	30/60	0,067
B2 01 020.0 027.0	20	27	355	6,0	30	8,5	90	30/60	0,082
B2 01 022.0 029.0	22	29	390	6,0	30	8,5	100	30/60	0,093
B2 01 025.0 033.0	25	33	510	6,0	30	8,5	110	30/60	0,111
B2 01 030.0 038.0	30	38	600	5,0	25	8,5	140	30/60	0,151
B2 01 032.0 040.0	32	40,4	665	5,0	25	8,5	140	30/60	0,171
B2 01 035.0 043.4	35	43,4	710	5,0	25	8,5	160	30/60	0,188
B2 01 038.0 047.0	38	47	805	5,0	25	8,5	170	30	0,114
B2 01 040.0 049.0	40	49,0	880	5,0	25	8,5	180	30	0,125
B2 01 045.0 054.8	45	54,8	1135	4,0	20	8	200	30	0,178
B2 01 050.0 060.0	50	60	1275	4,0	20	8	230	30	0,210
B2 01 060.0 071.8	60	71,8	1745	3.5	17.5	8	270	30	0,285
B2 01 063.0 074.8	63	74,8	1830	3.5	17.5	8	280	30	0,281
B2 01 070.0 082.0	70	82	2070	3.5	17.5	7	320	30	0,342
B2 01 076.0 088.2	76	88,2	2275	3.5	17.5	7	340	30	0,489
B2 01 080.0 092.2	80	92,2	2400	3.5	17.5	7	360	20	0,357
B2 01 090.0 103.0	90	103	3025	3,0	15	7	410	20	0,415
B2 01 102.0 115.0	102	115	3435	2,0	10	7	460	20	0,517
B2 01 105.0 118.0	105	118	3600	2,0	10	7	470	20	0,531
B2 01 110.0 127.4	110	127,4	4770	1,6	8	9,0	550	20	0,612
B2 01 120.0 137.4	120	137,4	5170	1,2	6	9,0	600	20	0,686
B2 01 127.0 144.4	127	144,4	5465	1,2	6	9,0	640	20	0,739
B2 01 150.0 168.6	151	168,6	6855	1,2	6	9,0	760	20	1,303

### Connection Systems



Safeflex Reusable Connection System



Crimped Connection System

Industries  
Bio Compounds  
Food