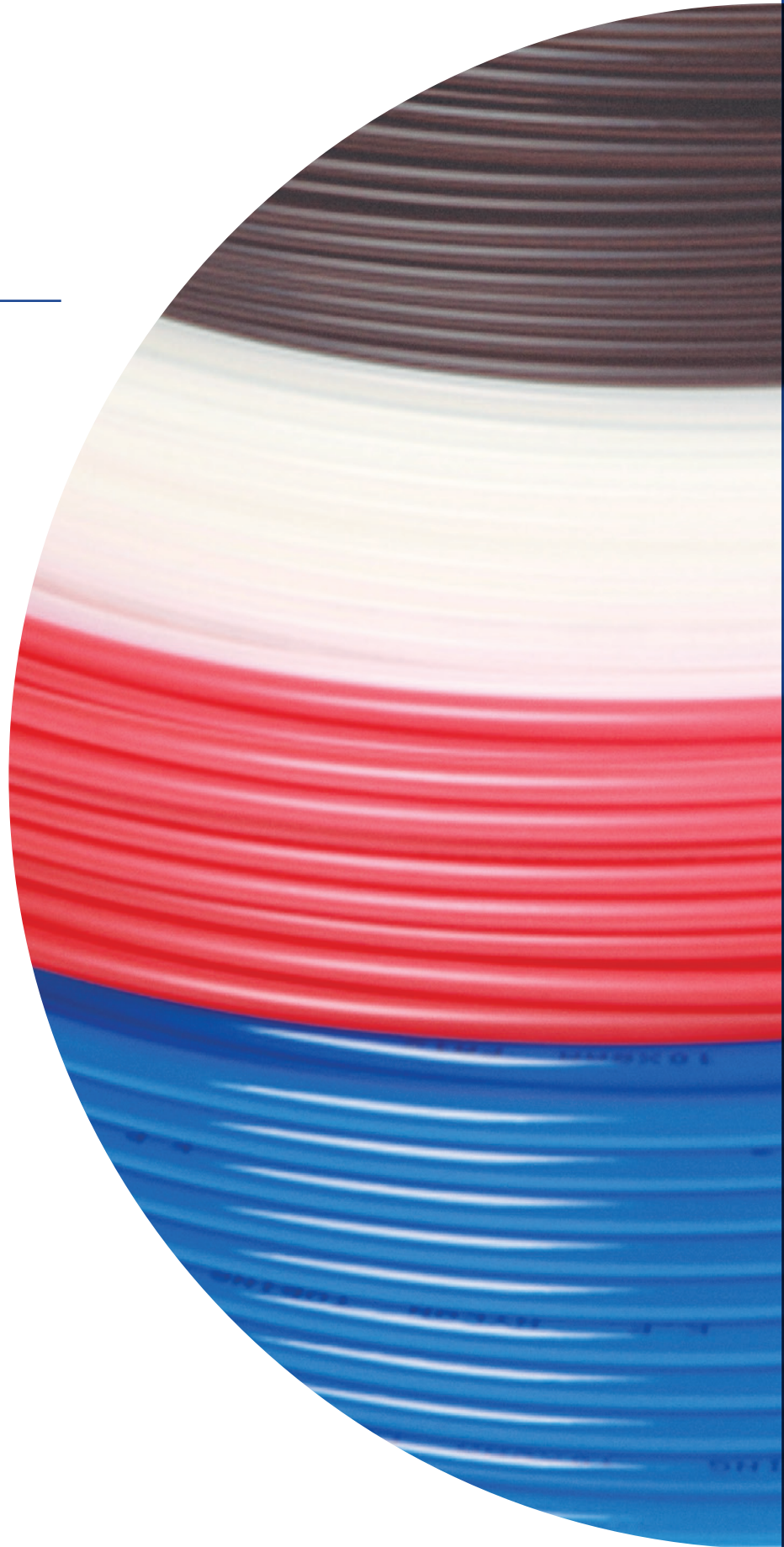


Balflex®

PU-PA Tubing





pag. 147 **PU TUBING**

pag. 148 **PA6 TUBING**

PU-PA Tubing

Balflex® Tubing are produced to Balflex® specifications and according to international standards, covering a wide variety of applications, with best chosen high quality grade polymers, for a extensive range of applications.

The Balflex® Tubing range in this catalogue includes:

- × Balflex® PU Tubing (Blue Color) - I.D. mm – 12.2020.
- × Balflex® PU Tubing (Blue Color) - I.D. inch – 12.2030.
- × Balflex® PA6 Tubing (Black Color) - I.D. mm – 12.2000.
- × Balflex® PA6 Tubing (Black Color) - I.D. inch – 12.2010.

General Guidelines

Balflex® PU Tubing or Polyurethane Tubing is suitable for pneumatic uses where low temperatures or tight bend radius rule out the more traditional nylon tubing. Blue polyurethane tubing is capable of withstanding higher pressure than the standard version and in addition it has increased shock absorbencies capacity and does not work harden.

Balflex® PA6 Tubing is suitable for automation, tooling, instrumentation, pneumatics, lubricating and low pressure hydraulic lines.







PU TUBING



POLYURETHANE TUBING (98 Shore A) - 12.2020 / 2030



Blue Color, Pu Tubing for automation, robotics, tooling, pneumatics and low pressure hydraulic systems, working temperature: -35°C (-31°F) to +80°C (+176°F)

mm SIZE

#									Coil Length meter
	mm	inch	mm	inch	mm	inch	MPa	PSI	
12.2020.040	4,0	0.16	2,4	0.09	0,8	0.03	1.2	174	100
12.2020.044	4,4	0.17	2,8	0.11	0,8	0.03	1.2	174	100
12.2020.050	5,0	0.20	3,0	0.12	1,0	0.04	1.2	174	100
12.2020.060	6,0	0.24	4,4	0.17	0,8	0.03	0.6	87	100
12.2020.061	6,0	0.24	4,0	0.16	1,0	0.04	1.0	145	100
12.2020.080	8,0	0.32	6,0	0.24	1,0	0.04	0.6	87	100
12.2020.081	8,0	0.32	5,5	0.22	1,25	0.05	1.0	145	100
12.2020.082	8,0	0.32	5,0	0.20	1,5	0.06	1.2	174	100
12.2020.083	8,3	0.33	5,7	0.22	1,3	0.05	1.0	145	100
12.2020.100	10,0	0.39	7,5	0.30	1,25	0.05	0.6	87	100
12.2020.101	10,0	0.39	7,0	0.28	1,5	0.06	1.0	145	100
12.2020.120	12,0	0.47	9,0	0.35	1,5	0.06	0.6	87	50
12.2020.121	12,0	0.47	8,0	0.31	2,0	0.08	1.0	145	50
12.2020.140	14,0	0.55	11,0	0.43	1,5	0.06	0.5	73	50
12.2020.141	14,0	0.55	10,0	0.39	2,0	0.08	0.8	116	50
12.2020.160	16,0	0.63	12,0	0.47	2,0	0.08	0.8	116	50
12.2020.180	18,0	0.71	13,0	0.51	2,5	0.10	0.8	116	50

 **BALFLEX - PU - Ø4 X 0.8 mm - WP 1.2 MPa**

inch SIZE

#									Coil Length meter
	inch	mm	inch	mm	inch	mm	MPa	PSI	
12.2030.02	1/8"	3,20	0.063	1,60	0.031	0,8	1.2	174	100
12.2030.03	3/16"	4,75	0.124	3,15	0.031	0,8	1.0	145	100
12.2030.04	1/4"	6,35	0.171	4,35	0.039	1,0	1.0	145	100
12.2030.06	3/8"	9,52	0.257	6,52	0.059	1,5	1.0	145	100
12.2030.08	1/2"	12,70	0.382	9,70	0.059	1,5	1.0	145	50

 **BALFLEX - PU - Ø1/8" X 0.031in - WP 174 Psi**

PA6 TUBING



According to DIN 73378 - 12.2000 / 2010

Black Color, PA6 Tubing for automation, tooling, instrumentation, pneumatics, lubricating and low pressure hydraulic lines, working temperature: -40°C (-40°F) a +125°C (+257°F)

mm SIZE

#									Coil Length meter
	mm	inch	mm	inch	mm	inch	MPa	PSI	
12.2000.040	4,0	0.16	2,4	0.09	0,8	0.03	3.1	450	100
12.2000.060	6,0	0.24	4,0	0.16	1,0	0.04	2.7	392	100
12.2000.080	8,0	0.31	6,0	0.24	1,0	0.04	1.9	276	100
12.2000.100	10,0	0.39	7,0	0.28	1,5	0.06	2.3	334	100
12.2000.110	11,0	0.43	8,0	0.31	1,5	0.06	2.1	305	100
12.2000.120	12,0	0.47	9,0	0.35	1,5	0.06	1.9	276	100
12.2000.140	14,0	0.55	10,4	0.41	1,8	0.07	1.8	261	50
12.2000.150	15,0	0.59	11,4	0.45	1,8	0.07	1.7	247	50
12.2000.160	16,0	0.63	12,4	0.49	1,8	0.07	1.6	232	50

BALFLEX - PA6 - Ø8 X 1 mm - WP 1.9 MPa -

inch SIZE

#									Coil Length meter
	inch	mm	inch	mm	inch	mm	MPa	PSI	
12.2010.02	1/8"	3,20	0.063	1,60	0.031	0,8	5.0	725	100
12.2010.03	3/16"	4,75	0.124	3,15	0.031	0,8	2.7	392	100
12.2010.04	1/4"	6,35	0.171	4,35	0.039	1,0	2.4	348	100
12.2010.06	3/8"	9,52	0.257	6,52	0.059	1,5	2.4	348	100
12.2010.08	1/2"	12,70	0.382	9,70	0.059	1,5	1.7	247	100

BALFLEX - PA6 - Ø 1/8" X 0.031 in - WP 725 Psi -