

Fiber-glass

Application

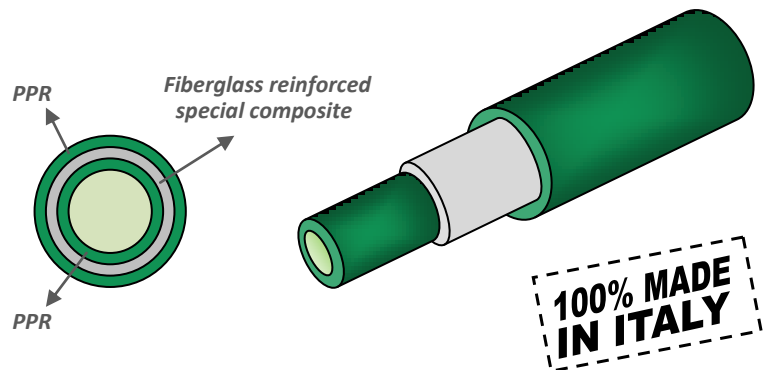
The range Plastofer fiberglass pipes, multilayer pipes are in random polypropylene, reinforced with an intermediate layer of a special composite. Fiberglass Plastofer can be used with all connections of the range System Plastofer. For welding using the traditional methods of welding and electro fusion welder.

Some areas of application:

- ✓ Pressure systems of cold and hot water
- ✓ Systems for swimming pools
- ✓ Compressed air system
- ✓ Cooling system
- ✓ Heating system
- ✓ Closed system
- ✓ Transport of chemicals
- ✓ Irrigations

Operating conditions sanitary

Temperatura	Anni di esercizio	Pressioni di esercizio ammissibili
20 °C	1	28,6
	5	26,8
	10	26,1
	25	25,6
	50	24,5
30 °C	1	24,3
	5	22,8
	10	22,0
	25	21,3
	50	20,7
40 °C	1	20,5
	5	19,2
	10	18,7
	25	18,0
	50	17,5
50 °C	1	17,5
	5	16,2
	10	15,7
	25	15,2
	50	14,7
60 °C	1	14,7
	5	13,7
	10	13,2
	25	12,6
	50	12,1
70 °C	1	12,4
	5	11,4
	10	11,1
	25	9,6
	50	8,1



Elongation coefficient

Fiber composite piping has 75% less elongation

Elongation coefficient: 0,035 mm/mk

$\Delta l = 0,035 \times m \times \Delta t$

Δl : lengthwise change

Δt : temperature change

Pipe Length (m)	Temperature Δt (°C)							
	10	20	30	40	50	60	70	80
1	0,35	0,70	1,05	1,40	1,75	2,10	2,45	2,80
2	0,70	1,40	2,10	2,80	3,50	4,20	4,90	5,60
3	1,50	2,10	3,15	4,20	5,25	6,30	7,35	8,40
4	1,60	2,80	4,20	5,60	7,00	8,40	9,80	11,2
5	1,75	3,50	5,25	7,00	8,75	10,5	12,3	14,0
6	2,10	4,20	6,30	8,40	10,5	12,6	14,7	16,8
7	2,45	4,90	7,35	9,80	12,3	14,7	17,2	19,6
8	2,80	5,60	8,40	11,2	14,0	16,8	19,6	22,4
9	3,15	6,30	9,45	12,6	15,8	18,9	22,1	25,2
10	3,50	7,00	10,5	14,0	17,5	21,0	24,5	28,0

Reference standards

The fiberglass pipe are produced according to the standards:

EN ISO 15874-2 - Din 8077/78 - EN 29003-2 - D.M. 174/04

Dimension

Tube Fiberglass - SDR 7,4 - serie 3,2

PN 20	Φ esterno	Φ interno	spessore	Conf.
	25	18,0	3,5	100
32	23,2	4,4	60	
40	29,0	5,5	40	
50	36,2	6,9	20	
63	45,8	8,6	20	
75	54,4	10,3	8	
90	65,4	12,3	8	
110	79,8	15,1	8	