

PTFE tube



PTFE tube can be delivered in various diameters and lengths. Up to diameter 120mm we can supply standard extruded lengths of 1000, 2000 and 3000mm. Larger diameters up to approx. 3000mm will be pressed. Maximum length depends on the diameter and ranges from 100mm to 300mm.

By means of Isostatic pressing we can reach the closest diameter near the final required dimension. Due to the flexibility of the press molds we are able to shape the product close to the end product. This can result in significant material saving.

Key properties of PTFE

- Excellent chemical resistance
- Working temperature from -190°C to +260°C
- Greatest resistance to fatigue (Wöhler curve)
- FDA approved
- Flame resistant - UL94V0
- No stick
- Low friction
- UV-resistant (does not age)
- Not hygroscopic (water absorption < 0,01%)
- Very good dielectric insulation properties

Properties of PTFE can be improved by adding additives as carbon, graphite, glass etc.

Virgin PTFE			PTFE + 25% carbon			PTFE + 25% glass		
Dim.	Length	Weight/kg	Dim.	Length	Weight/kg	Dim.	Length	Weight/kg
20	150	0,280	17	150	0,270	20	150	0,290
25	150	0,280	20	150	0,270	20	150	0,290
30	150	0,280	25	150	0,270	20	150	0,290
35	200	0,470	30	150	0,270	25	150	0,290
40X25	200	0,470	35	200	0,470	30	150	0,290
45	200	0,450	35X15	200	0,400	35	200	0,500
45X20	200	0,800	35X20	200	0,350	40	200	0,670
45X25	200	0,680	40	200	0,630	45X25	200	0,630
45X30	200	0,610	40X15	200	0,560	50X25	200	0,800
50X25	200	0,520	40X20	200	0,510	50X30	200	0,720
50X30	200	0,780	40X25	200	0,440	55X30	200	0,950
50X35	200	0,700	45	200	0,770	55X40	200	0,720
50X40	200	0,600	45X30	200	0,500	60X25	200	1,250
55X25	200	0,470	50X30	200	0,670	60X40	200	0,930
55X35	200	1,020	50X30	200	0,670	65x050	200	0,830
60X40	200	0,820	50X35	200	0,570	65X50	200	0,830
60X45	200	0,910	55X35	200	0,790	70X45	200	1,240
60X50	200	0,740	60X25	200	1,170	70X50	200	1,070
65X40	200	0,580	60X35	200	0,990	75X60	200	0,700
70X40	200	1,130	60X40	200	1,080	75X60	200	0,700

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Dim.	Length	Weight/kg	Dim.	Length	Weight/kg	Dim.	Length	Weight/kg
70X55	200	1,370	60X45	200	0,710	80X50	200	1,620
70X60	200	0,880	65X35	200	1,210	80X55	200	1,160
75X40	200	0,540	65X45	200	0,930	80X60	200	0,960
75X60	200	1,640	65X45	200	0,930	90X70	200	1,420
80X55	200	0,940	70X40	200	1,320	110X75	200	2,770
80X60	200	1,410	70X45	200	1,160	110X85	200	2,220
80X65	200	0,940	70X50	200	1,000	115X90	200	2,370
85X55	200	1,010	70X55	200	0,840	115X95	200	2,100
85X65	200	1,910	75X40	200	1,570	120X95	200	2,530
85X70	200	1,300	75X50	200	1,260	130X95	200	3,450
90X70	200	1,080	75X55	200	0,840	150X115	200	4,150
90X75	200	1,390	75X60	200	0,650	150X125	200	3,330
95X65	200	1,150	80X45	200	1,410	155X115	200	4,700
95X75	200	1,940	80X55	200	1,090	185X145	200	6,370
100X80	200	1,470	80X60	200	0,900	195X165	300	5,570
105X65	200	1,620	85X60	200	1,450	225X195	200	5,970
105X80	200	2,720	85X65	200	1,250	230X200	200	6,470
105X85	200	1,990	90X65	200	1,550	235X210	200	5,810
105X95	200	1,710	90X70	200	1,330	250X225	200	7,000
110X90	200	1,110	90X75	200	1,100	290X265	200	7,340
110X95	200	1,880	95X70	200	1,640	295X270	200	7,550
115X95	200	1,570	95X75	200	1,410	300X235	200	14,650
120X80	200	2,050	95X80	200	1,160	300X270	200	7,630
125X105	200	3,350	100X65	200	2,250	405X370	150	10,600
125X110	200	2,240	100X80	250	1,950	425X400	150	11,700
130X100	200	1,880	100X80	250	1,950	430X400	150	12,350
140X105	200	3,040	105X80	200	1,910	445X410	150	14,700
145X125	200	3,750	105X80	200	1,910	500X460	150	17,750
150X120	200	2,720	105X85	200	1,640	660X625	100	13,450
150X130	200	3,650	110X85	200	2,080	665X625	100	14,600
160X135	200	2,810	115X85	200	2,550	905X870	100	23,150
170X135	200	3,580	115X95	200	1,970			
180X150	200	4,750	120X95	200	2,370			
185X155	200	5,000	125X95	200	2,790			
190X150	200	4,380	125X100	200	2,480			
200X165	200	6,300	130X100	200	2,920			

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Virgin PTFE			PTFE + 25% carbon			PTFE + 25% glass		
Dim.	Length	Weight/kg	Dim.	Length	Weight/kg	Dim.	Lengte	Gewicht/kg
200X170	200	6,270	130X105	200	2,580			
200X175	200	5,600	135X100	200	3,370			
205X190	200	5,050	135X105	200	3,040			
220X200	200	3,880	135X110	200	2,690			
225X195	200	4,650	135X115	200	2,330			
240X225	200	5,820	140X110	200	3,260			
250X200	200	4,850	140X115	200	2,890			
280X240	200	9,950	145X120	200	3,000			
300X250	200	9,380	150X115	200	3,890			
350X285	200	12,480	150X120	200	3,510			
360X330	200	17,850	155X125	200	3,120			
395X365	200	11,000	155X125	200	3,120			
410X350	150	10,050	160X140	200	3,440			
410X380	150	15,400	170X145	200	4,040			
415X380	150	9,250	175X145	200	4,680			
415X385	150	11,200	180X150	200	4,800			
450X420	150	9,250	180X155	200	4,310			
455X420	150	12,200	180X160	200	3,820			
585X545	150	12,200	185X155	200	4,940			
596X568	150	17,250	185X160	200	4,440			
600X550	100	12,200	190X160	200	5,070			
670X640	100	16,000	195x170	200	4,580			
750X715	100	14,800	200X175	200	4,840			
950X905	100	17,000	205X180	200	4,960			
	100	26,550	205X185	200	4,380			
			235X170	200	10,550			
			235X205	200	6,110			
			235X210	200	5,440			
			240X210	200	6,420			
			250X225	200	6,570			
			255X205	200	9,940			
			260X210	200	10,150			
			260X235	200	6,870			
			260X240	200	6,110			

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Virgin PTFE			PTFE + 25% carbon			PTFE + 25% glass		
Dim.	Length	Weight/kg	Dim.	Length	Weight/kg	Dim.	Length	Weight/kg
			265X240	200	6,240			
			280X250	200	8,060			
			285X255	200	8,230			
			285X260	200	7,560			
			290X250	200	10,400			
			290X260	200	7,850			
			295X270	200	9,380			
			300X255	200	10,850			
			300X270	200	7,150			
			305X245	200	14,050			
			335X290	200	12,380			
			335X305	200	9,300			
			335X310	200	8,300			
			340X310	200	9,450			
			345X315	200	8,750			
			345X320	200	8,750			
			350X280	200	19,050			
			375X345	150	10,350			
			380X325	150	13,550			
			380X340	150	11,150			
			405X375	150	9,900			
			415X380	150	10,750			
			425X395	150	11,150			
			430X395	150	13,500			
			440X405	150	11,550			
			455X395	150	19,200			
			470X440	150	14,500			
			480x445	150	14,500			
			480X450	150	10,400			
			490X455	150	12,900			
			490X460	150	12,900			
			495X455	150	16,650			
			495X460	150	16,650			

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Virgin PTFE			PTFE + 25% carbon			PTFE + 25% glass		
Dim.	Length	Weight/kg	Dim.	Length	Weight/kg	Dim.	Length	Weight/kg
			500X470	150	13,250			
			510X475	150	17,150			
			535X500	150	12,600			
			540X500	150	16,700			
			540X505	150	16,700			
			540X510	150	14,700			
			595X555	100	15,350			
			595X565	100	11,700			
			600X572	100	11,700			
			605X575	100	13,800			
			610x545	100	17,450			
			610X575	100	13,800			
			615X580	100	10,000			
			615X585	100	10,000			
			620X590	100	13,200			
			625X590	100	13,200			
			625X595	100	11,250			
			640X605	100	12,500			
			640X610	100	12,500			
			660X625	100	12,600			
			670X640	100	14,200			
			675X635	100	14,200			
			685X650	100	13,200			
			700X660	100	15,800			
			750X710	100	16,300			
			755X725	100	16,300			
			770X730	100	15,900			
			780X750	100	21,800			
			790X750	100	21,800			
			890X850	100	24,550			
			910X875	100	24,450			
			950X905	100	25,500			
			970X920	100	32,500			

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Virgin PTFE			PTFE + 25% carbon			PTFE + 25% glass		
Dim.	Length	Weight/kg	Dim.	Length	Weight/kg	Dim.	Length	Weight/kg
			1077X970	100	73,700			
			1105X1060	100	38,300			
			1130X1090	100	38,300			
			1170X1125	100	36,850			
			1560X1510	100	42,500			

Above mentioned dimensions are our standard. Other sizes available on request.

Please note: stated weights are theoretical weights and can be different after production.

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