

Plastic Tubing, Metric

Plastic tubing, polyurethane (PUR)
3mm to 16mm O.D.



Working pressure min./max. -0.95bar / +10bar
Ambient temperature min./max. -30°C / +80°C

Materials:
Compressed air tubing Polyester polyurethane

GoTo Items are Highlighted

Technical Remarks

- External calibrated
- Suitable for dynamic laying
- Halogen-free

Tubing diameter external	Wall thickness	Bending radius min. at 20°C	Weight	Color	Length	Part No.
[mm]	[mm]	[mm]	[kg/m]		[m]	
3	0.6	8	0.005	Natural	50	1820712069
				Black		1820712068
				Red		1820712066
				Blue		1820712067
4	0.75	12	0.009	Natural	25	1820712000
				Black	25	1820712010
				Red	25	1820712020
				Blue	25	1820712030
				Green	25	1820712078
				Black	50	R412009984
				Blue	50	R412009985
				Natural	100	1820712007
				Black	100	1820712018
				Red	100	1820712026
				Blue	100	1820712036
				Yellow	100	R412004860
5	0.95	13	0.015	Natural	25	1820712001
				Black	25	1820712011
				Red	25	1820712021
				Blue	25	1820712031
				Blue	50	R412009986

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Tubing diameter external	Wall thickness	Bending radius min. at 20°C	Weight	Color	Length	Part No.				
[mm]	[mm]	[mm]	[kg/m]		[m]					
6	1.05	18	0.02	Natural	25	1820712002				
				Black	25	1820712012				
				Red	25	1820712022				
				Blue	25	1820712032				
				Green	25	1820712079				
				Black	50	R412009987				
				Blue	50	R412009988				
				Natural	100	1820712006				
				Black	100	1820712019				
				Red	100	1820712027				
				Blue	100	1820712037				
				Yellow	100	R412004861				
				Green	100	R412007650				
				8	1.15	30	0.03	Natural	25	1820712003
Black	25	1820712013								
Red	25	1820712023								
Blue	25	1820712033								
Green	25	1820712080								
Black	50	R412009989								
Blue	50	R412009990								
Natural	100	1820712008								
Black	100	1820712016								
Red	100	1820712028								
Blue	100	1820712038								
Yellow	100	R412004862								
Green	100	R412007621								
10	1.25	45	0.042					Natural	25	1820712005
				Black	25	1820712015				
				Red	25	1820712025				
				Blue	25	1820712035				
				Blue	50	R412009991				
				Natural	100	1820712009				
				Black	100	1820712081				
				Red	100	1820712029				
				Blue	100	1820712039				
				Yellow	100	R412004863				
				Green	100	R412004915				
				12	1.5	55	0.06	Natural	25	1820712004
								Black	25	1820712014
								Red	25	1820712024
Blue	25	1820712034								
Blue	50	R412009992								
Natural	100	1820712082								
Black	100	1820712017								
Red	100	1820712083								
Blue	100	1820712040								

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[mm]	[mm]	[mm]	[kg/m]		[m]	
14	2	55	0.092	Natural	25	R412004790
				Black	25	R412004778
				Red	25	R412004786
				Blue	25	R412004782
				Natural	100	R412004791
				Black	100	R412004779
				Red	100	R412004787
				Blue	100	R412004783
16	2.5	65	0.129	Natural	25	R412004792
				Black	25	R412004780
				Red	25	R412004788
				Blue	25	R412004784
				Natural	100	R412004793
				Black	100	R412004781
				Red	100	R412004789
				Blue	100	R412004785

Plastic Tubing, Inch

Plastic tubing, polyurethane

GoTo Items are Highlighted

Material Polyurethane

Pressure medium	Air
Temperature range	-40° to 165°F (-40° to 74°C)
Vacuum rating	to 28" Hg
Diameter tolerance	± .005"
Working pressure	3 to 1 safety factor (see table)
UV stabilized	Yes



► Other tube sizes, colors and materials are available on request. Please contact Bosch Rexroth Pneumatics for details.

Part Numbers: Tubing Size (Inch)	Blue Polyurethane Part Number	Clear Polyurethane Part Number	Bend Radius	Max. Pressure (psi)		Package Qty. (feet)	Weight (lbs.)
				75°F	150°F		
1/8" OD x .066 ID	R432026247	R432026251	1/4	255	100	50	0.25
1/4" OD x .160 ID	R432026248	R432026252	1/2	175	70	100	1.50
3/8" OD x .245 ID	R432026249	R432026253	7/8	170	70	100	3.40
1/2" OD x .320 ID	R432026250	R432030140	1 1/8	175	70	50	2.55

Material Polyethylene

Pressure medium	Air
Temperature range	-40° to 150°F (-40° to 66°C)
Vacuum rating	to 28" Hg
Diameter tolerance	± .004"
Working pressure	3 to 1 safety factor (see table)
UV stabilized	Yes



Part Numbers: Tubing Size (Inch)	Blue Polyethylene Part Number	Clear Polyethylene Part Number	Bend Radius	Max. Pressure (psi)		Package Qty. (feet)	Weight (lbs.)
				75°F	150°F		
1/8" OD x .062 ID	R432026239	R432026243	1	305	120	100	0.4
1/4" OD x .170 ID	R432026240	R432026244	1 1/4	200	80	100	1.2
3/8" OD x .250 ID	R432026241	R432026245	2	190	75	100	2.3
1/2" OD x .375 ID	R432026242	R432026246	2 1/2	135	55	100	3.4