

# EXLON-PVC Soft Tubing



The use of special PVC in the resin provides great flexibility and elasticity. Heat resistant tubing with 105°C level and excellent heat resistance in the high temperature range are also available besides the generation type with 60°C level.



These tubing are suitable for wiring in narrow areas where flexibility is required, areas where wires are bent, and the low temperature environment.

Table of tubing characteristics

Items		Unit	60°C type	105°C type	Test method and other aspects
Tension test	Tensile strength	MPa	12.0 or more	15.0 or more	JIS C 2133
	Elongation	%	250 or more	250 or more	
After heat aging	Tensile strength retention rate	%	70 or more	90 or more	100°C × 5 days
	Elongation retention rate	%	70 or more	90 or more	
After heat aging	Tensile strength retention rate	%	—	70 or more	136°C × 7 days
	Elongation retention rate	%	—	70 or more	
Cold bend		—	No crack	No crack	-40°C × 1 hour
Longitudinal change		%	5 or less	5 or less	100°C × 2 hours

\* The data above are representative values and not guaranteed values.

\* Recommended temperature range: 60°C type -30°C to 60°C

105°C type -30°C to 105°C

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Standard size chart					
Size	Inner diameter (mm)	Inner diameter tolerance (mm)	Wall thickness (mm)	Thickness tolerance (mm)	Unit length (m)
4 × 5	4.0	+ 0.3、- 0.2	0.5	± 0.1	300
5 × 6	5.0	+ 0.3、- 0.2	0.5	± 0.1	300
6 × 7	6.0	+ 0.4、- 0.2	0.5	± 0.1	300
7 × 8	7.0	+ 0.4、- 0.2	0.5	± 0.1	300
8 × 9	8.0	+ 0.4、- 0.2	0.5	± 0.1	200
9 × 10	9.0	+ 0.4、- 0.2	0.5	± 0.1	200
10 × 11	10.0	+ 0.4、- 0.2	0.5	± 0.1	200
12 × 13	12.0	+ 0.5、- 0.3	0.5	± 0.1	200
14 × 15.2	14.0	+ 0.5、- 0.3	0.6	± 0.1	100
16 × 17.2	16.0	+ 1.0、- 0.8	0.6	± 0.1	100
18 × 19.2	18.0	+ 1.0、- 0.8	0.6	± 0.1	100
20 × 21.6	20.0	+ 1.0、- 0.8	0.8	± 0.1	100

- The standard color for the tubing is black, and tubing are produced based on orders.
- We also welcome orders for other colors, special sizes, and tubing cut in various lengths.
- We also welcome orders for highly nonflammable tubing with excellent non-flammability (UL94V-0 grade).

EXLON-PVC  
Soft Tubing



60°C type



105°C type



Flexibility



Self-extinguishing  
characteristics