

EXLON-PVC Soft Tubing



Characteristics

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.

Purposes

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

EXLON-PVC Soft Tubing



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