

EXLON-PVC Series  
**EXLON-PVC**  
**J Tubing**



**Characteristics**

EXLON-PVC J Tubing is equivalent of EX PVC1, which complies with the old standard JIS C 2415. These multipurpose vinyl tubing are designed with a good balance of properties, including electric insulation property, non-flammability, and flexibility.

**Purposes**

- (i) For providing electric insulation for devices and equipment, such as electronic devices, electric devices, measuring instruments, and communication devices.
- (ii) For providing mechanical protection for or as identification of electric wires and devices.

Table of tubing characteristics					
Items		Unit	Standard value	Performance value	Test method and other aspects
Tension test	Tensile strength	MPa	10.4 or more	15.0 or more	JIS C 2133
	Elongation	%	100 or more	200 or more	
Dielectric strength		—	Nondestructive	Nondestructive	2,500V × 1 minute
Cold bend		—	No crack	No crack	-10° C × 1 hour
Longitudinal change		%	-10 or more	-10 or more	120° C × 1 hour
Volume resistivity		Ω/m	10 <sup>8</sup> or more	10 <sup>10</sup> or more	JIS C 2133

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

\* Recommended temperature range: -20°C to 60°C

# EXLON-PVC J Tubing



Standard size chart					Standard size chart				
Inner diameter (mm)	Thickness (mm)	Tolerance		Unit length (m)	Inner diameter (mm)	Thickness (mm)	Tolerance		Unit length (m)
		Inner diameter (mm)	Thickness (mm)				Inner diameter (mm)	Thickness (mm)	
0.5	0.35	±0.1	±0.08	500	10.0	0.5	+0.4、-0.2	+0.1、-0.08	250
0.8	0.35	±0.1	±0.08	500	11.0	0.5	+0.5、-0.3	+0.1、-0.08	200
1.0	0.4	±0.1	±0.08	500	12.0	0.5	+0.5、-0.3	+0.1、-0.08	200
1.2	0.4	±0.1	±0.08	500	13.0	0.5	+0.5、-0.3	+0.1、-0.08	200
1.5	0.4	±0.1	±0.08	500	14.0	0.5	+0.5、-0.3	+0.1、-0.08	200
2.0	0.4	±0.2	±0.08	500	15.0	0.5	+0.5、-0.3	+0.1、-0.08	200
2.5	0.4	±0.2	±0.08	400	16.0	0.6	+1.0、-0.8	±0.1	100
3.0	0.5	±0.2	+0.1、-0.08	400	18.0	0.6	+1.0、-0.8	±0.1	100
3.5	0.5	±0.2	+0.1、-0.08	400	20.0	0.8	+1.0、-0.8	±0.1	50
4.0	0.5	+0.3、-0.2	+0.1、-0.08	400	22.0	0.8	±1.5	±0.1	50
4.5	0.5	+0.3、-0.2	+0.1、-0.08	400	25.0	0.8	±1.5	±0.1	50
5.0	0.5	+0.3、-0.2	+0.1、-0.08	400	30.0	1.0	±1.5	±0.1	50
5.5	0.5	+0.3、-0.2	+0.1、-0.08	400	35.0	1.0	±1.5	±0.1	50
6.0	0.5	+0.4、-0.2	+0.1、-0.08	400	40.0	1.0	±1.5	±0.1	50
7.0	0.5	+0.4、-0.2	+0.1、-0.08	300	45.0	1.0	±1.5	±0.1	50
8.0	0.5	+0.4、-0.2	+0.1、-0.08	300	50.0	1.0	±1.5	±0.1	50
9.0	0.5	+0.4、-0.2	+0.1、-0.08	300					

- Transparent/Black is the standard color for the tubing. Other colors (red, blue, yellow, gray, brown, white, green, and orange) can be produced when orders are received.
- We also welcome orders for tubing with other colors, special sizes, and pipes cut in various lengths.
- Sizes 16ø or large come with flattened shapes.



Colored models available

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Characteristics



60°C level