

# EXLON-PVC AH 105 Tubing



Printing on the tubing

AH 105



EXLON-PVC AH105 Tubing is produced using the same materials as EXLON-PVC UL Tubing that complies with Iwase's UL and CSA Standards. These tubing have extremely excellent heat resistance, electric properties, non-flammability, and other performances.



- (i) For providing heat resistance, insulation, and protection of wires of electronic and electric devices.
- (ii) For protecting lead wires of transformers, magnet coils, condensers, and other devices.

Table of tubing characteristics

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Items	Standard value	Performance value	Testing conditions and other aspects
Tensile strength (MPa)	10.4 or more	17.0 or more	
Extension (%)	100 or more	250 or more	
Dielectric strength		2,500 V 1 minute or more	10,000 V 1 minute or more
After heat aging	Tensile strength	7.4 MPa or more	15.0 MPa or more
	Elongation(%)	100% or more	200% or more
	Dielectric voltage	2,500 V 1 minute or more	10,000 V 1 minute or more
	Copper stability	Extension 100% or more	Extension 200% or more
	Flexibility	No crack or permanent deformation	No abnormality
Volume resistivity		10 <sup>10</sup> Ω-cm or more	10 <sup>12</sup> Ω-cm or more
Flammability		VW-1	Equivalent of VW-1
Cold bend		No crack	No crack
Longitudinal change (%)		±5	5.0 or less
			100°C 2 hours

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

\* Properties are the same level as UL Tubing.

\* Recommended temperature range: -20°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)
1.5 × 2.3	1.5	+0.2、-0.1	0.4	±0.08	300
2 × 2.8	2.0	+0.2、-0.1	0.4	±0.08	300
2.5 × 3.5	2.5	+0.3、-0.2	0.5	+0.1、-0.08	300
3 × 4	3.0	+0.3、-0.2	0.5	+0.1、-0.08	300
3.5 × 4.5	3.5	+0.3、-0.2	0.5	+0.1、-0.08	300
4 × 5	4.0	+0.3、-0.2	0.5	+0.1、-0.08	300
4.5 × 5.5	4.5	+0.3、-0.2	0.5	+0.1、-0.08	300
5 × 6	5.0	+0.3、-0.2	0.5	+0.1、-0.08	Transparent 300/Black 400
6 × 7	6.0	+0.4、-0.2	0.5	+0.1、-0.08	Transparent 300/Black 400
7 × 8	7.0	+0.4、-0.2	0.5	+0.1、-0.08	300
8 × 9	8.0	+0.4、-0.2	0.5	+0.1、-0.08	300
9 × 10	9.0	+0.4、-0.2	0.5	+0.1、-0.08	200
10 × 11.2	10.0	+0.4、-0.2	0.6	±0.1	200
12 × 13.2	12.0	+0.5、-0.3	0.6	±0.1	200

- 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.
- Printing on the tubing range from 2.5Ø to 16Ø.



EXLON-PVC  
AH105 Tubing



Highly  
nonflammable



105°C level