

EXLON-eco Series

EXLON-Soft-Eco Tubing NHR-80

IWASE



Printing on the tubing ● IWASE EXLON-ソフトエコ NHR



Iwase's Soft-Eco Tubing NHR-80 does not contain any halogen compound or harmful substances in all materials that generate dioxins during combustion or environmental contamination after being landfilled.



Flexibility

Flexibility

The excellent flexibility is suitable for pipe arrangement or storage in narrow areas. This tubing is a suitable alternative to a flexible PVC tubing.



90°C level

90°C level

The heat resistance is at the 90°C level.



Recyclability

Recycling

Materials can be recycled like a general thermo plastics.



Self-extinguishing characteristics

Self-extinguishing characteristics

This tubing has self-extinguishing characteristics.

EXLON-Soft-Eco Tubing NHR-80



Table of tubing characteristics					
Items	Unit	Soft Eco NHR-80	EXLON-PVC J Tubing Black	Test method and other aspects	
Hardness	HD-A	85	85	JIS K 7215	
Tension test	Tensile strength	MPa	7.0 or more	15.0 or more	JIS C 2133
	Elongation	%	200 or more	200 or more	
After heat aging	Tensile strength retention rate	MPa	70 or more	—	JIS C 2133 121°C × 7 days
	Elongation retention rate	%	70 or more	—	
Dielectric strength	—	Nondestructive	Nondestructive	2,500 V × 1 minute	
Cold bend	—	No crack	No crack	-10°C × 1 hour	
Non-flammability (UL-94)	—	Equivalent of HB	Equivalent of HB	Sheet thickness: 1mm	

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

* Recommended temperature range: -20°C to 90°C

Standard size chart					
Size	Inner diameter (mm)	Inner diameter tolerance (mm)	Wall thickness (mm)	Thickness tolerance (mm)	Unit length (m)
3 × 3.8	3.0	± 0.25	0.40	± 0.05	300
4 × 4.8	4.0				300
5 × 5.8	5.0	± 0.30			300
6 × 6.8	6.0				300
7 × 7.9	7.0	± 0.35	300		
8 × 8.9	8.0		300		
9 × 9.9	9.0		200		
10 × 11	10.0		200		
11 × 12	11.0	± 0.40	0.50		200
12 × 13	12.0		100		
13 × 14.1	13.0		100		
14 × 15.1	14.0	± 0.50	0.55	± 0.06	100
15 × 16.2	15.0		100		
16 × 17.2	16.0		100		
17 × 18.2	17.0		100		
18 × 19.3	18.0	± 0.50	0.60		100
19 × 20.3	19.0				100
20 × 21.3	20.0		0.65	± 0.07	100

- Tubing with the inner diameter of 15ø or more are flattened and coiled. ● Black is the standard color of the tubing.
- We welcome inquiries on other colors, special sizes, and tubing cut in different lengths.
- Please contact us for details of the hardness. ● Tubing with the inner diameter from 3ø to 10ø are kept in stock.

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