

EXLON-eco Series

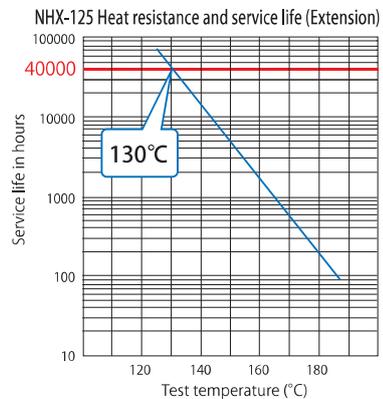
EXLON-Flow-Link Tubing NHX-125



Printing on the tubing **IWASE EXLON NHX-125**



This is a clean, highly nonflammable, highly heat resistant, and flexible, completely new type of elastomer tubing with environmental conservation features.



Highly nonflammable

High non-flammability

Equivalent of VW-1 based on the UL Standard



Flexibility

Flexibility

The workability of the harness is drastically improved with the great flexibility that is not seen in conventional polyethylene tubing with electron beam crosslinking.



125°C level

125°C level

The polymer has unique partial crosslinking structure inside, and the long-term heat resistance is at the 125°C level.



Recyclability

Recycling

Materials can be recycled like a general thermo plastics.

EXLON-Flow-Link Tubing NHX-125



Table of tubing characteristics			
Items	Unit	NHX-125	Test method and other aspects
Hardness	HD-A	90	JIS K 7215
Tension test	Tensile strength	MPa	5.0
	Elongation	%	
After heat aging	Tensile strength	MPa	5.0 or more
	Elongation	%	
Dielectric strength	—	Non destructive	2,500 V × 1 minute
Cold bend	—	No crack	-30°C × 1 hour
Longitudinal change	—	Equivalent of VW-1	UL-224

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

* Recommended temperature range: -20°C to 125°C

Standard dimension 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 × 7.8	7.0	± 0.35			300
8 × 8.8	8.0		300		
9 × 10	9.0		200		
10 × 11	10.0	± 0.40	0.50	± 0.06	200
11 × 12	11.0				200
12 × 13.1	12.0		0.55		100
13 × 14.1	13.0				100
14 × 15.1	14.0	100			
15 × 16.2	15.0	± 0.50	0.60	± 0.07	100
17 × 18.2	17.0				100
18 × 19.3	18.0		0.65		± 0.07
19 × 20.3	19.0	100			
20 × 21.3	20.0	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, sizes, and tubing cut in different lengths.

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NHX-125

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Flexibility

125°C level

Recyclability