P -type

Standard Type (made of polypropylene)

Compliant with RoHS Directive

Recommended range of usage

Temperature range (℃) : -5 to 60
- For refrigerating
- For machine air-cooling
- For spot cooling
- For intake and exhaust blowing
- For machine dust collection and exhaust

Produced using polypropylene resin as the base material wich significantly reduces the weight when compared with those produced with polyvinyl chloride.
Most appropriate to be used for spot cooling and heating.

An environment-friendly non-polyvinyl chloride flexible hose.
*We can accept orders for ivory-colored hoses, too.

Nominal diameter (inner diameter φ)	Outer diameter (mm)	Elongation per meter	Minimum bending radius (Rmm)	Mass (g/m)	Standard size (m)		Color
φ 55	φD+5	50	100	380	4	10	Grey Ivory
φ 65			140	440			
φ 75	φD+6		180	550			
φ 90			200	660			
φ100			210	755			
φ125			280	915			
φ150			340	1,110			
φ175			400	1,300			
φ200			450	1,490			
φ225	φD+10	30	450	1,940	2	4	
φ250			570	2,090			
φ300			700	2,515			
φ350			830	3,190	2		
φ400			990	3,610			
φ450			1,030	4,200			
φ500			1,200	4,440			

Note) 1. The figures are those for 1 m of the hose when the hose is contracted.
2. Should you wish for a product of a size order than the standard size, cutting fee will be additionally required.
3. Please specify your preferred color when placing an order.

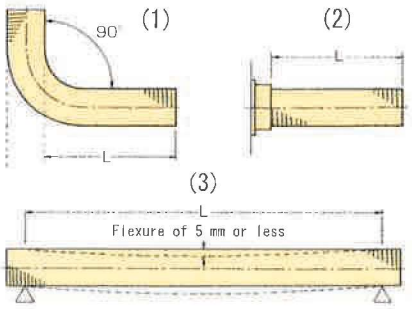
Self-holding ability

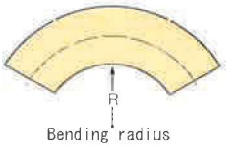
(1) Bend the tip of the hose to vertical right angle, and measure size L for when the hose is at the position just before it gets dangled due to its own weight.

(2) Fix one side of the hose, and measure size L for when the hose is at the position just before it gets dangled due to its own weight.

Flexure

(3) Measure size L when the hose is at the position just before flexure of 5mm is generated due to its own weight as shown in the figure.





L (mm) Room temperature: 35℃

Hose size	Self-holding ability (1)	Self-holding ability (2)	Flexure (3)
φ 90	520	640	1,300
φ100	510	640	1,300
φ125	500	640	1,400
φ150	480	630	1,300
φ200	400	600	1,000
φ250	550	790	1,300
φ300	490	730	1,500

*The figures shown above are measured values and are not guaranteed.

Chemical resistance (polypropylene resin)

Name of chemicals	Temperature condition 23℃	60℃
Ethyl alcohol	O. K.	N. G.
Gasoline	N. G.	N. G.
Machine oil	N. G.	N. G.
Dilute sulfuric acid	O. K.	O. K.
Hydrochloric acid (40%)	O. K.	N. G.
Caustic soda (50%)	O. K.	O. K.
Sodium chloride (10%)	O. K.	O. K.
Hydrogen peroxide (30%)	N. G.	N. G.
Benzene	O. K.	N. G.
toluene	O. K.	N. G.
Xylene	O. K.	N. G.
Phenol (5%)	O. K.	N. G.
Glycerin	O. K.	N. G.
Ethyl acetate	N. G.	N. G.
Nitrobenzene	N. G.	N. G.
Carbon tetrachloride	N. G.	N. G.