

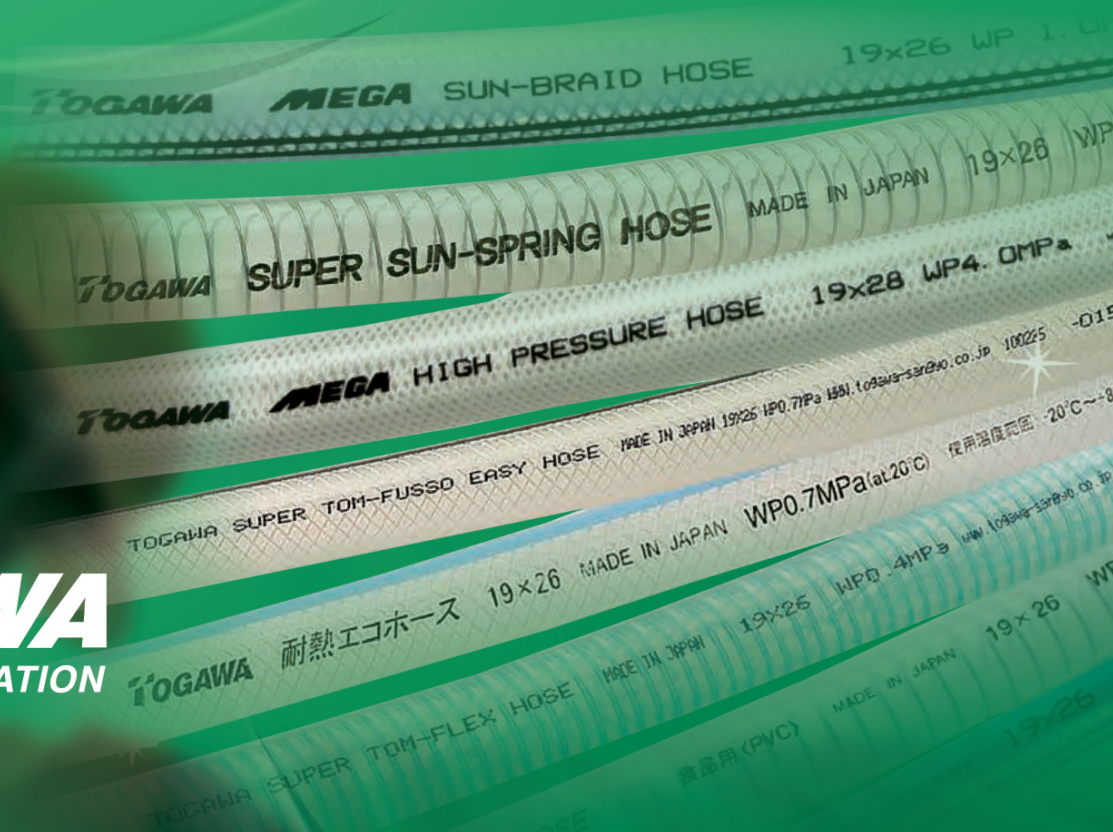


**TOGAWA**  
INDUSTRY CORPORATION

**TOSHIO**

INDUSTRIAL HOSE, AIR COIL HOSE

**TOGAWA**  
INDUSTRY CORPORATION



TOSHIO 10mmx6.5mm

**TOSHIO**  
AIR COIL HOSE



# AIR COIL HOSE

สายลมสปริง



## SPECIFICATION

**MEDIA**

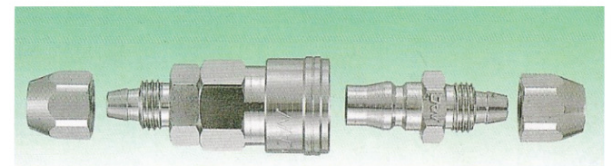
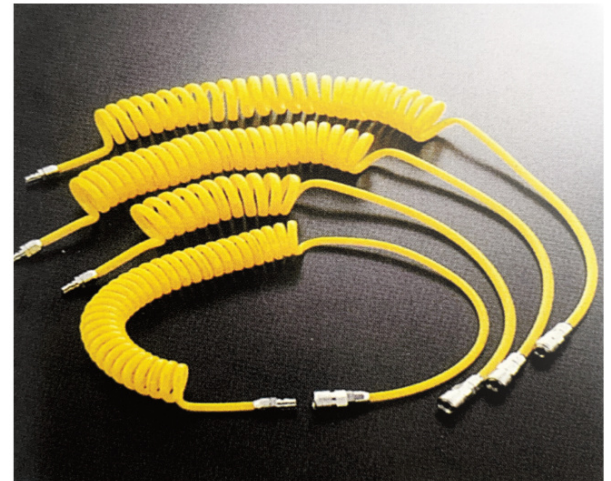
**WORKING TEMP. RANGE**

**MAX. BURST PRESURE**

**WORKING PRESURE**

**RECOMMENDED FITTINGS**

AIR
-5 ~60°C (23~140°F)
3 MPA (30 KGF/CM <sup>2</sup> ) • 435 PSI
0.7 MPA (7 KGF/CM <sup>2</sup> ) 99.5 PSI
<ul style="list-style-type: none"> <li>● <b>NAC COUPLING SOCKET</b> CAL21SA (5x8), CAL22SB (6.5x10), CAL23SA (8x12), CAL245A (11X16)</li> <li>● <b>NAC COUPLING PLUG</b> CAL21PA (5x8), CAL22PB (6.5x10), CAL23PA (8x12), CAL245A (11X16)</li> </ul>



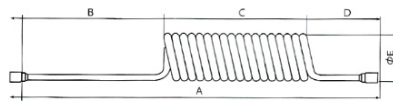
\*THE VALUE AT A TEMPERATURE OF 20 C (68F)  
\*CUSTOM SIZE AND COLOR ARE AVAILABLE AS MADE TO ORDER

### HOW TO ORDER

#### TPS-805-0105 Y COUPLING



### DIMENSIONS

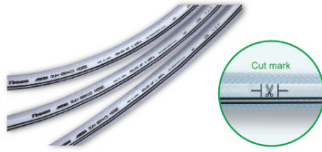


MODEL	HOSE SIZE I.D.XO.D.	SERVICE LENGTH (MM)	HOSE LENGTH (MM)	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	NAC STANDARD COUPLING
TPS-803-0105Y	5X8	2,000	2,500	780	500	180	100	42	} CAL21SA, CAL21PA
TPS-805-0105Y	5X8	4,000	5,000	1,000	500	400	100	42	
TPS-808-0105Y	5X8	6,000	7,500	1,230	500	630	100	42	
TPS-810-0105Y	5X8	8,000	10,000	1,400	500	800	100	42	} CAL22SA, CAL22PA
TPS-1003-0105Y	6.5X10	2,000	2,500	785	500	185	100	52	
TPS-1005-0105Y	6.5X10	4,000	5,000	1,000	500	400	100	52	
TPS-1008-0105Y	6.5X10	6,000	7,500	1,235	500	635	100	52	} CAL23SA, CAL23PA
TPS-1010-0105Y	6.5X10	8,000	10,000	1,400	500	800	100	52	
TPS-1203-0105Y	8X12	2,000	2,500	780	500	180	100	65	
TPS-1205-0105Y	8X12	4,000	5,000	990	500	390	100	65	} CAL24SA, CAL24PA
TPS-1208-0105Y	8X12	6,000	7,500	1,190	500	590	100	65	
TPS-1210-0105Y	8X12	8,000	10,000	1,380	500	780	100	65	
TPS-1603-0105Y	11X16	2,000	2,500	720	500	120	100	108	} CAL24SA, CAL24PA
TPS-1605-0105Y	11X16	4,000	5,000	840	500	240	100	108	
TPS-1608-0105Y	11X16	6,000	7,500	1,000	500	400	100	108	
TPS-1610-0105Y	11X16	8,000	10,000	1,170	500	570	100	108	



## MEGA SUN BRAID HOSE

RENEWED DESIGN WITH WHITE LINE. RUBBER-LIKE TOUCH OF HIGHLY ELASTIC RESIN. THE FLUIDS CAN BE VISUALLY CHECKED EASILY



SPECIFICATION: WORKING TEMPERATURE LIMIT: BETWEEN -5°C AND + 60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)
SB-4	4.0	9.0	100	1.5	16	7
SB-6	6.0	11.0	100	1.5	24	9
SB-8	8.0	13.5	100	1.4	32	12
SB-9	9.0	15.0	100	1.4	36	15
SB-10	10.0	16.0	100	1.1	40	16
SB-12	12.0	18.0	100	1	48	18
SB-15	15.0	22.0	100	1	60	26
SB-19	19.0	26.0	50	1	76	16
SB-22	22.0	29.0	50	1	88	18
SB-25	25.0	33.0	50	1	100	23
SB-32	32.0	41.0	50	0.7	128	33
SB-38	38.0	48.0	50	0.6	152	43
SB-50	50.0	62.0	40	0.6	200	55
SB-63	63.0	80.0	20	0.3	252	52
SB-75	75.0	92.0	20	0.3	300	60
SB-90	90.0	108.0	20	0.3	450	73.8
SB-100	100.0	118.0	20	0.3	500	77.8

\*The white lines are available only for the products in which inner diameter is between 12 and 75, and are not applied for the products in which inner diameter is between 6 and 10, 90 and 100

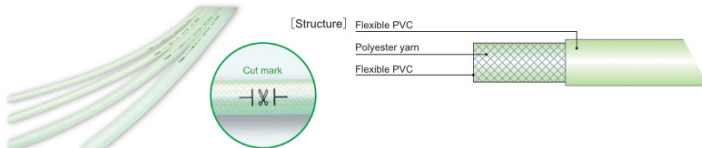
**Use** : For water supply of machines and factories, air piping, and water supply for engineering, and construction sites  
**Features** : Highly elastic resin is used. The fluids can be visually checked easily

**Fluids** : Water Oil

**Note** : Cannot be used for fuel oil

## SUPER TOM OIL RESISTANCE SUN BRAID HOSE

SUPERIOR IN OIL RESISTANCE OF THE SPECIALIZED RESIN USED. USE THIS HOSE FOR COLOR CODING WITH THE MEGA SUN BRAID HOSE.



SPECIFICATION: WORKING TEMPERATURE LIMIT: BETWEEN -5°C AND + 60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)
TB-6	6.0	10.5	100	1.1	24	8
TB-8	8.0	13.0	100	1.1	32	11
TB-9.5	9.5	15.0	100	1.1	38	15
TB-12	12.0	17.0	100	1.0	48	16
TB-15	15.0	21.0	50	0.8	60	11.5
TB-19	19.0	25.0	50	0.7	76	14.5
TB-25	25.0	32.0	50	0.6	100	22
TB-32	32.0	39.5	50	0.5	128	29
TB-38	38.0	46.5	50	0.4	152	38.5
TB-50	50.0	60.0	40	0.3	200	47

\*The white lines are available only for the products in which inner diameter is between 12 and 75, and are not applied for the products in which inner diameter is between 6 and 10, 90 and 100

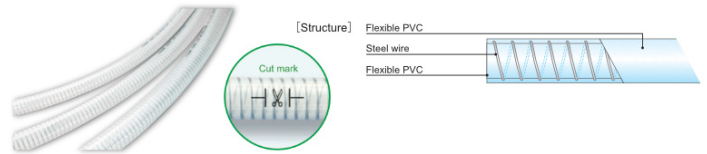
**Use** : For water supply of machines and factories, air piping, and water supply for engineering, and construction sites.  
**Features** : Superior in oil resistance, which is appropriate for lubricating oil piping. Can be used for color coding with the MEGA Sun Braid Hose.

**Fluids** : Water Oil

**Note** : Cannot be used for fuel oil

## SUPER SUN SPRING HOSE

WITH HARD STEEL WIRES PUT INSIDE, THIS HOSE WITHSTANDS TO DECOMPRESSION, WHICH IS APPROPRIATE FOR VACUUMING APPLICATIONS. SUPERIOR IN TRANSPARENCY, THIS HOSE IS APPROPRIATE FOR PIPING OF OPERATING OIL.



SPECIFICATIONS: WORKING TEMPERATURE LIMIT: BETWEEN -5°C AND +60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)
SP-6	6.0	11.0	100	0.9	30	10
SP-8	8.0	13.5	100	0.9	40	14
SP-9	9.0	15.0	100	0.8	45	16
SP-12	12.0	18.0	100	0.7	60	23
SP-15	15.0	22.0	100	0.6	75	32
SP-19	19.0	26.0	50	0.5	95	22
SP-25	25.0	33.0	50	0.5	125	27
SP-32	32.0	41.0	40	0.4	160	31
SP-38	38.0	48.0	40	0.4	190	39
SP-50	50.0	62.0	40	0.3	250	59
SP-63	63.0	80.0	20	0.3	315	54
SP-75	75.0	92.0	20	0.3	375	63
SP-90	90.0	108.0	20	0.3	450	76.2
SP-100	100.0	118.0	20	0.3	500	84

**Use** : For water supply of machines and factories, air piping and water supply for engineering, and construction sites.  
**Features** : With steel wires put inside, this hose can be used as a ground wire for conveying powders etc.

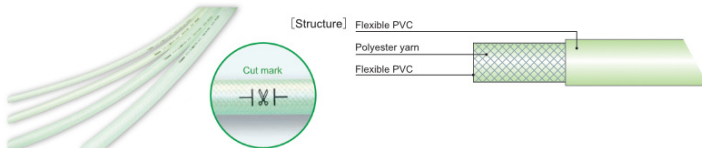
**Fluids** : Water Oil Power

**Note** : Cannot be used for fuel oil

## SUPER MEGA TOUCH

## MEGA TOUCH

NO LEAK! NO LOOSE! JOINTS FOR HOSES



SIZE LIST: - FOR MATERIALS SELECTION, PLEASE ADD "S" FOR SUS, "B" FOR BSBM, "RO" FOR CD-LESS BSBM AT THE END OF THE MODEL NAME

NOMINAL DESIGNATION OF MEGA SUN-BRAND HOSE	MEGS TOUCH MODEL	R	a	b	φd	L
SB-4	TH4 - 1/8	1/8	17	19.6	4	34.8
	TH4 - 1/4	1/4				35.8
SB-6	TH6 - 1/4	1/4	21	24.3	5	45.3
	TH6 - 3/8	3/8				47.3
SB-8	TH8 - 1/4	1/4	22	25.4	7	44.7
	TH8 - 3/8	3/8				46.7
SB-9	TH9 - 1/4	1/4	24	27.7	7	46.4
	TH9 - 3/8	3/8				48.4
SB-10	TH10 - 1/4	1/4	24	27.7	8	46.4
	TH10 - 3/8	3/8				48.4
	TH10 - 1/2	1/2				50.4
SB-12	TH12 - 1/4	1/4	26	30	8	46.3
	TH12 - 3/8	3/8				48.3
	TH12 - 1/2	1/2				50.3
SB-15	TH15 - 1/4	1/4	30	34.6	10	47.7
	TH15 - 3/8	3/8				49.7
	TH15 - 1/2	1/2				51.7
	TH15 - 3/4	3/4				53.7
SB-19	TH19 - 1/2	1/2	35	40.5	14	59.8
	TH19 - 3/4	3/4				63.8
	TH19 - 1	1				64.8
SB-22	TH22 - 1/2	1/2	38	43.9	14	61
	TH22 - 3/4	3/4				65
	TH22 - 1	1				66
SB-25	TH25 - 3/4	3/4	42	48.5	18	65.8
	TH25 - 1	1				67.8
SB-32	TH32 - 1 1/4	1 1/4	54	62.4	28	74.3
	TH32 - 1 1/2	1 1/2				75.3

For unlisted sizes or any question, please contact our sales department.  
 Available with: MEGA Sun Braid Hose

**Features**

- Originals structure to fasten hoses tightly and strongly high adhesion without damage your hoses.
- No breakage due to excessive fastening.
- Easy attach and remove, improve maintenance workability.
- Variety of materials : SUS and BSBM also available with RoHS enabled Cd-less BSBM.



### POLYURETHANE HOSE (TPH)

APPROPRIATE FOR AIR TOOLS (AIR-TUCKER, PEGGER MACHINE, AND IMPACT WRENCH), PAINT, SPRAY, IN-FACTORY AIR TOOLS.



SPECIFICATIONS: WORKING TEMPERATURE LIMIT: BETWEEN -20°C AND +60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)	COLOUR
TPH-6510	6.5	10.0	100	1.5	30	5.7	●●
TPH-8512	8.5	12.5	100	1.5	40	8.3	●●
TPH-1116	11	16.0	50	1.5	45	6.5	●●

PERFORMANCE EVALUATION

DESCRIPTION	EVALUATION	DESCRIPTION	EVALUATION
LIGHTNESS	☆☆☆☆☆	SMOOTHNESS	☆☆☆☆
SOFTNESS	☆☆☆☆	SPATTERING RESISTANCE	☆☆

- Use** : For air-paint, air-spray, and in factory air tools  
**Features** : With flexibility and light weight, this hose is appropriate for construction sites  
**Fluids** : Air

### SUPER WIN SOFT HOSE

WITH FURTHER SOFTNESS AND SMOOTHNESS, THIS HOSE IS FREE FROM WINDING OR HOPPING.



SPECIFICATION: WORKING TEMPERATURE LIMIT: BETWEEN -5°C AND +60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)	COLOUR
SWH-6510	6.5	10.0	100	1.5	20	5.8	-
SWH-8512	8.5	12.5	100	1.5	40	8.3	-
SWH-1116	11	16.0	100	1.5	45	6.7	-

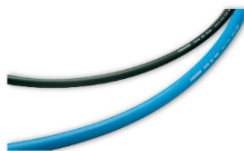
PERFORMANCE EVALUATION

DESCRIPTION	EVALUATION	DESCRIPTION	EVALUATION
LIGHTNESS	☆☆☆☆☆	SMOOTHNESS	☆☆☆☆☆
SOFTNESS	☆☆☆☆☆	SPATTERING RESISTANCE	☆☆☆☆

- \*All the evaluation were made in-house  
 \*Use our specified brackets  
**Use** : For air-paint, air-spray, and in factory air tools  
**Features** : With the increased smoothness, this hose is easy to carry and improves the workability. Superior resistance, elasticity, and airtightness, this hose is appropriate for air tool piping  
**Fluids** : Air

### SUPER AIR HOSE

LIGHTER THAN RUBBER HOSES AND SUPERIOR IN WORKABILITY. WITHSTANDING TO DIRECT SUNLIGHT AND BLOCKING CRACKS

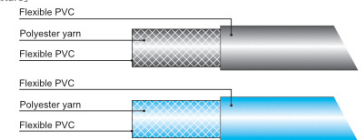


SPECIFICATION: WORKING TEMPERATURE LIMIT: BETWEEN -5°C AND +60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)	LINES
SA-6	6.5	13.0	100	1	32.5	12	●
SA-7	7.0	13.5	100	1	35	12.5	●●
SA-8	8.0	15.0	100	1	40	15	●●●
SA-9	9.5	16.5	100	1	47.5	17	●●●●
SA-12	13.0	21.5	100	1	65	28	●●●●●
SA-19	19.0	27.5	100	1	95	39	●●●●●●
SA-25	25.0	34.5	100	1	125	55	●●●●●●●

- Use** : For compressors, car maintenance, paint and body works, quarrying etc.  
**Features** : Lighter than rubber hoses and superior in workability  
**Fluids** : Air

[Structure]



### FA TUBE

COMPARED TO CONVENTIONAL FLUORINE TUBE, THE SOFTNESS AND SMOOTHNESS OF INNER TUBE HAVE BEEN IMPROVED, ATTAINING SUPERIOR WORKABILITY.



SPECIFICATIONS: WORKING TEMPERATURE LIMIT: BETWEEN -20°C AND +60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)
FA - 6	4.0	6.0	100	1.2	18	2.0
FA - 8	6.0	8.0	100	1.2	30	2.8
FA - 10	8.0	10.0	100	1.2	50	3.5

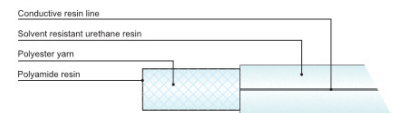
- Use** : For piping of paints, solvents, and paint robots, and conveyance of foods and beverages  
**Features** : Compared to conventional fluorine tubes, the retention power against burst pressure after bending the tube has been greatly upgraded  
**Fluids** : Paints Solvents Various foods

### SUN PAINT HOSE (PB-EASY)

WITH THE USE OF POLYAMIDE RESIN, THE SOLVENT RESISTANCE IS SIGNIFICANTLY IMPROVED COMPARED TO CONVENTIONAL PAINTING HOSES.



[EASY Structure]



SPECIFICATIONS: WORKING TEMPERATURE LIMIT: BETWEEN -20°C AND +60°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)
PB-EASY-7	6.5	10.0	100	1.5	35	5.7

- Use** : For piping of paints and solvents  
**Features** : Superior in flexibility and pressure resistance, this hose will improve the workability  
**Fluids** : Paints Solvents

**Features**  
 A versatile painting hose is now available  
 As a conductive sleeve is applied around the outer layer, the grounding can be completed just by tightening the metallic joint (when the resistance value is "9 x 10<sup>3</sup> W" or less, and the whole length is 15m or less).

### SILICON HOSE

THIS HOSE CAN BE USED IN A WIDE RANGE OF TEMPERATURE BETWEEN -30°C AND 150°C



SPECIFICATIONS: WORKING TEMPERATURE LIMIT: BETWEEN -30°C AND +150°C

NOMINAL DESIGNATION	INNER DIAMETER (MM)	OUTER DIAMETER (MM)	REGULAR SIZE (M)	MAXIMUM WORKING PRESSURE MPA AT 20°C	MINIMUM BENDING RADIUS (MM)	REGULAR SIZE WEIGHT (KG)	DELIVERY UNIT (ROLL)
SH-5	4.8	10.6	10	1	70	0.8	5
SH-6	6.3	12.3	10	1	80	1.1	5
SH-8	7.9	14.3	10	1	90	1.3	4
SH-9	9.5	16.5	10	1	100	1.7	3
SH-12	12.7	20.1	10	0.5	130	2.3	2
SH-15	15.9	24.1	10	0.5	150	3.1	1
SH-19	19.0	28.2	10	0.5	180	4.1	1
SH-25	25.4	35.6	10	0.5	300	5.9	1
SH-32	32.0	43.8	10	0.5	360	8.4	1
SH-38	38.1	50.7	10	0.5	430	10.5	1
SH-50	50.8	65.0	6	0.5	550	9.3	1

[Structure] Transparent silicon rubber



- Use** : For soft drinks, and high-and-low temperature equipment such as air-conditioners, transducers, and office automation devices.  
**Features** : It can be used in a wide range of temperature between -30°C and +150°C.  
**Fluids** : Air Various foods Chemical