


Sponge Tapes

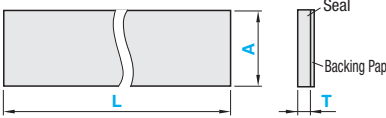
■ Sponge Tapes of 500mm, 1000mm, 1500mm or 2000mm long.



Type	Material	Hardness	Color
SGNPTA	EPDM Sponge	Asker C8	Black
SGNATA	Silicon Rubber Sponge	Asker C35	Orange
EPATA	EPDM Foam (EPT Sealer®)	(Less than Asker C1)	Black

• A Dimension Tolerance
 SGNPTA ±1.5
 SGNATA ±2.5
 EPATA ±2.5

• L Dimension Tolerance
 SGNPTA 500 1000
 SGNATA ±3 ±5
 EPATA 500 · 1000 1500 · 2000
 +14 +15
 - 6 - 8



RoHS 10

Temperature limit for seals is 80°C.

Characteristic Data P.441

Part Number Type	T Selection	T Tolerance	Selection	
			A	L
SGNPTA SGNATA	3	±0.5	10	500 1000
	5		15	
	10		20 30 50	
EPATA	3	±1.0	10	500 1000 1500 2000
	5		15	
	10		20 30 50	

Ordering Example: Part Number - A - L
 SGNPTA3 - 10 - 1000

Part Number Type	T	A	Unit Price																		
			SGNPTA		SGNATA		EPATA														
			L500	L1000	L500	L1000	L500	L1000	L1500	L2000											
SGNPTA SGNATA EPATA	3	10																			
		15																			
		20																			
		30																			
		50																			
	5	10																			
		15																			
		20																			
		30																			
		50																			
	10	10																			
		15																			
		20																			
		30																			
		50																			

■ Features of EPATA

This product is made of a semi-closed cell foam, available for compression in the condition of low stress. After compression, it changes its structure to closed cell. This product is a high performance sealer that has the capability of filling gaps to shut out heat, water and sound.

■ Characteristic Values

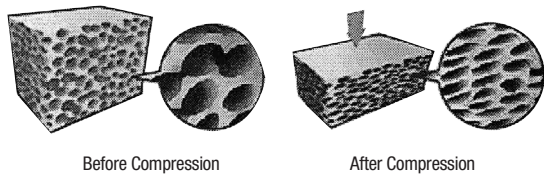
Testing method conforms to JIS K 6767.

Measurement Item	Unit	EPATA
Specific Gravity	-	0.095
Tensile Strength	kg/cm ²	0.90
Elongation	%	430
Compression Hardness	25%	0.02
	50%	0.05
Air Bubble	-	Semi-closed Cell

Compression Rate (%)	EPATA
50	×
60	△
70	○
80	○

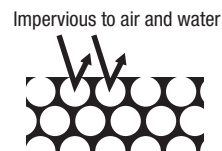
○ : No leakage of water after 30 mins.
 △ : Leakage of water is seen within 30mins.
 × : Leakage of water is seen within 10mins.

• Semi-closed Cell Structure (EPATA)




■ Features of Closed Cell Type (SGNPTA and SGNATA)

Bubbles are separated from each other, so air and water cannot pass through the material. It also excels in shock absorption.




Round Cords - Sealing Elastomer, Round Rubber Rings

■ A new gel type gasket material useable for a variety of applications such as gap filling.



Type	Material	Hardness	Color
RBGEL	Viscoelastic Elastomer	Asker F65	Light Yellow



Operating Temperature Range: -10 ~ 70°C.
 Gel surface is coated with fluoride powder to prevent sticking.
 It is delivered in a roll.
 It can be cut with adhesive side up with a utility knife, etc.

Ordering Example: Part Number - L
 RBGEL5 - 500

Part Number Type	D	L Selection (mm)
RBGEL (Viscoelastic Elastomer)	2	500
	5	1000
	10	1500

Part Number Type	D	L Selection (mm)	Unit Price		
			500	1000	1500
RBGEL	2	500			
	5	1000			
	10	1500			

■ Viscoelastic Elastomer

Viscoelastic elastomer is an extremely soft gel which has an Asker F hardness. Superior in mechanical strength and excellent in durability. A major characteristic is the three-dimensional slow recovery, which recovers after compression slowly and in multiple directions. It is adaptable to a variety of uses such as gaskets for sealing.

■ Elasticity of Viscoelastic Elastomer

A very soft and elastic material, as shown in the photo. (Elongation Rate: 2,000% or More) Due to its excellent shape flexibility, it easily conforms to complex shapes. Cutting surface has self-adhesion.



■ Comparison of Characteristic Values

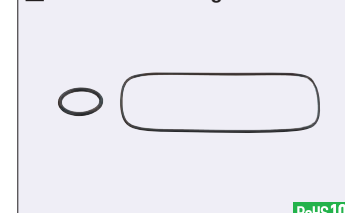
Item	Viscoelastic Elastomer	Nitrile Rubber	Silicon Rubber
Specific Gravity	0.9	1.6	1.2
Hardness	65 (Asker F)	70 (Shore A)	50 (Shore A)
Tensile Strength (Mpa)	0.17	12.7	8.8
Elongation (%)	>2000	370	330
Maximum Operating Temperature	70	90	200
Low Temp. Resistance	-10	-10	-70

■ Comparison of Chemical Resistance

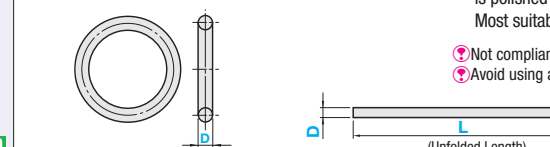
	Viscoelastic Elastomer	Nitrile Rubber	Silicon Rubber
Gasoline Light Oil	×	○	△-○
Water	○	○	△
Strong Acid	○	○	△
Strong Alkali	○	○	○
Ether	×	×-△	△

Do not use in places where there may be splashes of solvent.

■ Round Rubber Rings



Type	Material	Hardness	Color
RBWNR	Nitrile Rubber (NBR)	Shore A70	Black
RBWSR	Silicon Rubber (SI)	Shore A53	Milky White
RBWFR	Fluororubber (FPM)	Shore A76	Black



■ Vulcanized Bonded Product

A rubber cord is cut to desired lengths and made into rings by vulcanized bonding. Bonded seam is polished by sandpaper.

Most suitable for use as general-purpose gasket.

Not compliant with JIS Standard O ring.
 Avoid using as a belt.

Part Number Type	D	1mm Increment	
		L (Unfolded Length)	
RBWNR (Nitrile) RBWSR (Silicon) RBWFR (Fluorine)	2	300-400	
	3		
	4		
	5		
	10		

■ Accuracy Standards

L Dimension Tolerance			
1000mm or Less	2000mm or Less	3000mm or Less	4000mm or Less
0	0	0	0
-1.0	-2.0	-3.0	-4.0

Part Number Type	D	Dimension Tolerance	Unit Price											
			L (Expanded Length) 1mm Increment											
			300-600	601-1000	1001-1300	1301-1600	1601-2000	2001-2300	2301-2600	2601-3000	3001-3300	3301-3600	3601-4000	
RBWNR Nitrile Rubber	2	±0.2												
	3	±0.3												
	4	±0.4												
	5	±0.4												
	10	±0.6												
RBWSR Silicon Rubber	2	±0.1												
	3	±0.1												
	4	±0.15												
	5	±0.15												
	10	±0.3												
RBWFR Fluororubber	2	±0.2												
	3	±0.2												
	4	±0.2												
	5	±0.3												
	10	±0.5												

Ordering Example: Part Number - L
 RBWNR2 - 525
 RBWFR10 - 3301