


Round Cords - Sealing Elastomer, Round Rubber Rings

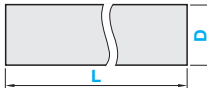

■ A new gel type gasket material useable for a variety of applications such as gap filling.

Round Cords - Sealing Elastomer



RoHS 10

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.

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

Ordering Example: Part Number - L
RBGEL5 - 500

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

■ 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



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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	1mm Increment
Type	D (Unfolded Length)
RBWNR (Nitrile) RBWSR (Silicon) RBWFR (Fluorine)	2
	3
	4 300-400
	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	D Dimension Tolerance	Unit Price										
		L (Expanded Length) 1mm Increment										
Type	D	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											
	3											
	4											
	5											
RBWSR Silicon Rubber	2											
	3											
	4											
	5											
RBWFR Fluororubber	2											
	3											
	4											
	5											

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