

FR Sponge Sheet

Flouro Sponge Sheet

FR Sponge Sheet

Features

- Excels in heat resistance.
- Excels in solvent resistance.
(Particularly highly-polar solvent.)
- Excels in acid, alkali, alcohol, and oil resistance.
- Excels in weather and ozone resistance.
- Expansion ratio: Approximately 4.5 times
- Closed cell.

Applications

- Electronic parts and electrical parts.
- Various packing materials.
- Heat resistant cushion materials.



Properties : FR Sponge Sheet

Item Name	Properties	Apparent Density g/cm ³	General Properties			Tension Set %	Impact Resilience %	Color Standard
			Hardness Type E	Tensile Strength at Break MPa (kgf/cm ²)	Elongation at Break %			
FR Sponge Sheet		0.42	36 (36)	2.7 {27.5}	270	9	16	Black

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Dimension

Thickness (mm)	Tolerance (mm)	Width × Length (mm)	Surface Condition		
			Both sides skin	One side skin	Without skin
2	± 0.4	300 × 300	×	○	△
3	± 0.4		×	○	
4	± 0.4		○	△	
5	± 0.5		×	○	
6	± 0.5		○	△	
7	± 0.7		○	△	
10	± 1.0		○	×	
2	± 0.4	500 × 500	×	○	△
5	± 0.5		○	○	
6	± 0.5		○	△	
10	± 1.0		○	×	
2	± 0.5	M × M	×	×	○
3	± 0.5		×	×	○
5	± 0.5		×	○	×
10	+ 1.5, - 1.0		○	×	×

○ : Available

×

△ : Contact us

● Please consult us on sizes other than the above listed.

Compression Set

Test Condition	%
20°C × 24h	6
70°C × 24h	73
100°C × 24h	81

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- Condition of compression set
: Measured in 3hrs after removing 40% compression load.

Heat Thermal Conductivity

Heat Thermal Conductivity W / (m·K)
5.9 × 10 ⁻²

- Test method of the heat thermal conductivity
: Compliant with JIS A 1414-2: 1999 (HFM method)

Heat Resistant Aging

Test Condition	Hardness Change Type E	Change Rate of Tensile Strength at Break	Change Rate of Elongation at Break %
150°C × 72h	+ 4	+ 11	- 19
200°C × 72h	+ 5	+ 15	- 11
250°C × 72h	+ 5	- 6	+ 7

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- These products should not be incinerated wherever possible because harmful gas to humans might be generated if they are immoderately burned.
- The life of these products at actual use are greatly affected by condition of the use. The user is requested to confirm it beforehand by using sample in the case of use under severe condition.
- These products should be stored away from natural rubber products and synthetic rubber products because they can be easily contaminated depending on the storage environment.
- Please consult us in advance if there is a requirement in odor.