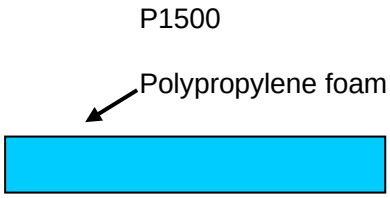
SCF（Super Clean Foam）

P1500

Outline

P1500 series are polypropylene foam materials, which can be used as dust-proof, buffer, and shock absorber materials.
Their application is mainly for display gasket of electric appliances, communication equipments and other electronic equipments.

Construction



Features

- The environment impact material is not used.
- P1500 obtained the Fire-resistant (UL94 HF-1) with halogen-free.
- Easy to compress.
- Thanks to their low compression stress, they will not deform the structures after application.
- They show excellent conformability to gaps with bumps or curved surfaces.
- They have almost no impurities, which might contaminate the equipments
- Due to the stiffness secured by their unique micro-cell structure, they show excellent process ability and workability.

Application

- Electric appliances, electronic equipments: Dust-proof display gasket and lens buffer for digital camera and digital video recorder.
- Communication equipment: Dust-proof display gasket and camera lens buffer for mobile phone.

Standard Size

Table-1

Thickness (mm)	Width (mm)	Length (M)
0.3~1.5 Received in unit of 0.1mm	500	100

*For other sizes, please contact us.

Properties

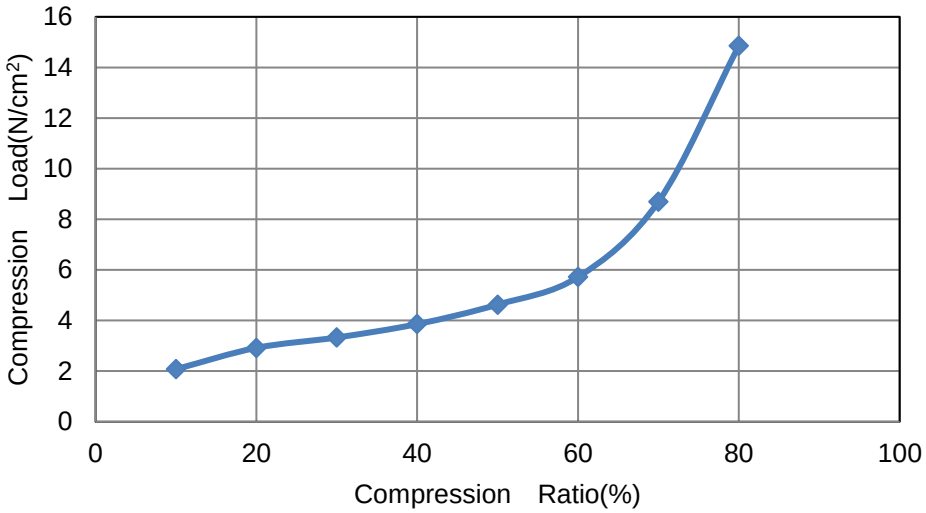
●Properties of Foam

(1) General Properties

Table -2

Property	Unit	Values	Test method
Density	g/cm^3	0.070	JIS K 6767
50% Compression Load	N/cm^2	4.6	

(2) Compression Ratio vs. Compression Load



(3) Dimension Stability

Table -3

		Storage condition (70°C)		
		170hr	340hr	720hr
P1500	MD	-0.19	-0.25	-0.28
	TD	-0.07	-0.05	-0.29

Change of dimension ratio (%)=(A-B)/A x 100
A=initial dimension
B=dimension after storage

(4) Out gassing

◊ Result of analysis of generated organic gases

Table -4

	Unit	Toluene	Others	Total
100°C x 60min	ng/cm^2	1.7	30	32

Toluene conversion value

◊ Result of analysis of generated inorganic gases

Table -5

	Unit	Cl^-	NO_2^-	NO_3^-	PO_4^{3-}	SO_4^{2-}	NH_4^+
100°C x 60min	ng/cm^2	＜13	＜13	＜13	<13	<13	<13

◊ Result of analysis of hot water extraction ion components

Table -6

	Unit	Cl^-	NO_2^-	NO_3^-	PO_4^{3-}	SO_4^{2-}	NH_4^+
100°C x 120min	ng/ cm^2	40	9.5	<5.0	<5.0	<5.0	<5.0

*< : Under the limit of detection

Precautions

- ●Place the products longitudinally to avoid deformation.
- ●Keep the products away from high temperatures and humidity, and store them in a dark cool place avoiding direct sunlight.
- ●You should perform the test yourself to make sure the product is capable of the application.