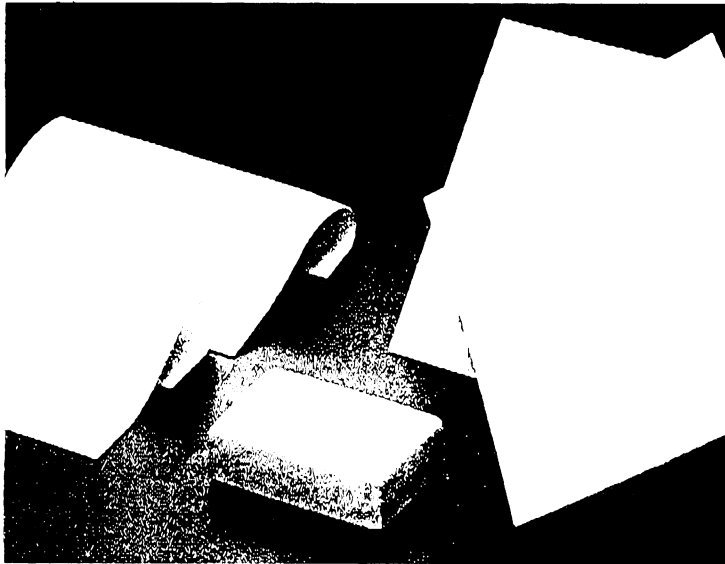


## ABSORBING, SCRUBBING and WIPING MATERIALS

(株) ガドナー 長谷川 様

### AION Clean Room Sponge



#### [Profile]

AION Clean Room Sponge is a wet type wiping material with very high water absorbing and retentive properties. With a soft hand, it fits in with every type of workpiece, minute pores on its surface trapping particles without fail. Not to mention clean rooms, it is highly effective at places where the preservation of clean environment is required.

#### [Features]

- The integral structure of the sponge makes it lint-free. No lint or wastes are generated during use.
- Hydrophilic property and the capillarity generated by the integral structure with continuous pores combined, it absorbs water quickly and voluminously.
- Micropores on its surface make a very large effective surface area allowing it to perform efficient dust trapping.
- Being excellent in abrasion resistance, it is washable and reusable, greatly contributing to reduction of wastes.

#### [Main uses]

- Wiping of electronic or optical devices, pharmaceutical manufacturing machines, workbenches, etc.
- Cleaning inside clean rooms.

#### [Standard specifications]

Item	Cleanness	E-1	E-2	D-1	D-2	D-3	S-1
Size (mm)		230×230×1	230×230×2	230×230×1	230×230×2	125×85×35	430×325×1.8
State		Dry (Impregnated with wetting agent)				Wet (Impregnated with mildew-proofing agent)	
Number of pieces per PE bag		10	5	10	5	1	1
Packing unit		40 bags(400 pcs.)	40 bags(200 pcs.)	40 bags(400 pcs.)	40 bags(200 pcs.)	75 pcs.	120 pcs
Pore dia. (μm)		130			80		
Porosity (%)		90			99		
Heat resistance (°C)		60 or below under wet heat					

### AION Clean Room Sponge Fine (new PVA sponge)

AION Clean Room Sponge (Fine) is a wiping material made of newly developed highly clean PVA sponge with improved cleanness obtained by a new manufacturing method that is free from pore forming agents. It is lint-free like the conventional AION Clean Room Sponge, and in addition to the various features it shares with AION Clean Room Sponge, has an extreme soft hand which has never been seen before by realizing higher porosity. Also the structure peculiar to "Be-Fine" has given it remarkably higher tensile strength and tearing strength than the conventional type, and, despite its soft hand, deterioration in physical properties does not occur easily.

Item	Cleanness	FM-2
Size (mm)		180×180×2
State		Dry
Number of pieces per PE bag		5
Packing unit		40 bags(200pcs.)
Pore diameter (μm)		400/100
Porosity (%)		93
Heat Resistance (°C)		60

#### [Notabilia on use]

- (1) Products delivered in dry state and those in wet state contain a very small amount of wetting agent and mildewproofing agent respectively. Rinse them well with water before use and soften them with water if hardened.
- (2) Ideally, it should be used after immersion in water and well squeezed. The use of DI water is recommended.
- (3) If to be used for wiping chemical fluids other than water, note the following precautions:

- ① Soften the product by immersion in water, squeeze well, and again immerse it in the chemical fluid before use. It does not soften when immersed in dry state in any fluid other than water.
- ② In case the product is newly used, first soften it by immersing it in water and then immerse it in the fluid to be used to check the product's resistance to the fluid. If marked swelling is observed, abandon the use of the product.
- ③ If the product is dried, partial concentration of solvent or other chemicals may occur to cause deterioration or deformation.
- ④ Repeated use may considerably shorten the product's service life compared to the use for water wiping.