

AION - PVA ROLLER

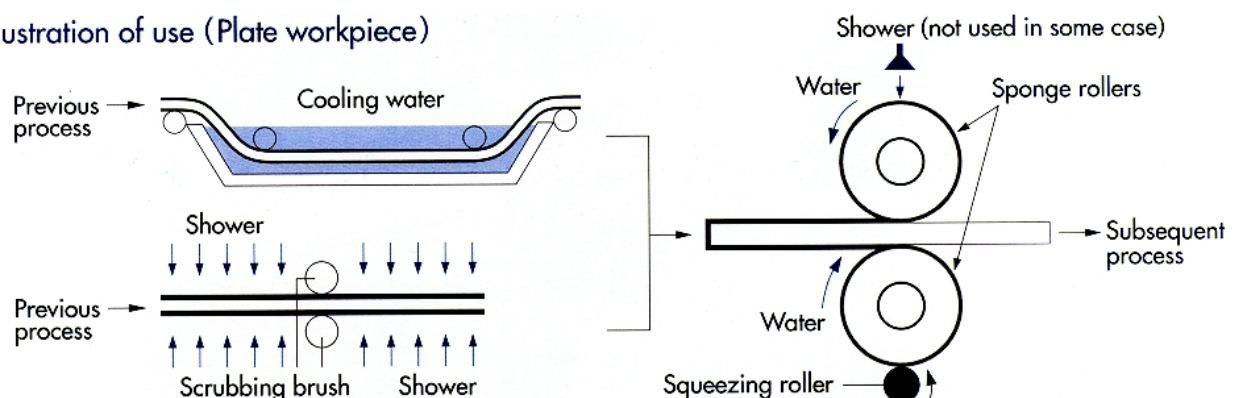
General Information

AION PVA Roller is a porous material in the form of roller, used for draining or moisture transfer in various manufacturing processes. Having all basic characteristics of PVA sponge - excellent water absorbing and retaining properties, soft hand, and resilience - AION PVA Roller contributes to the streamlining of processes, energy saving and improvement of working environment.

Today, high quality tools or devices with cleanness of their own materials, or with high dimension accuracy are increasingly needed in the industrial fields, including semiconductor manufacturing. AION PVA Roller meets such needs by its special high cleanness grade and articles with special dimensional tolerance.

Features

- ⇒ Superb hydrophilicity, showing remarkably high water absorbing and retaining properties by its continuous micropores
- ⇒ Soft and resilient, giving no damages to the workpiece. Fitting closely in the surface irregularities of the workpiece, causes no uneven dries.
- ⇒ The integral structure of the sponge generates no lint or wastes as seen in paper or fibrous materials.
- ⇒ High tensile strength generates no crumbings.

Illustration of use (Plate workpiece)


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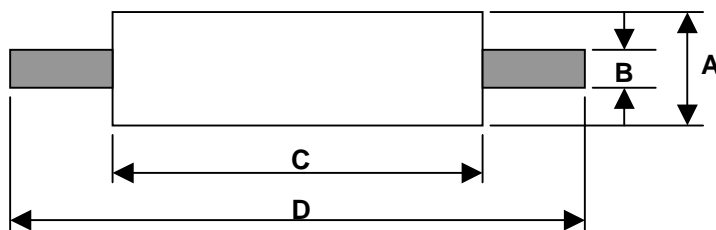
Main Uses

- ⇒ Scrubbing and dehydration of plate, curved and other glass products
- ⇒ Scrubbing and dehydration of precision electronic devices such as LCD substrates, printed circuit boards, lead frames, photomasks, etc.
- ⇒ Scrubbing and dehydration of plastic films or plates
- ⇒ Dehydration of tires or mats.
- ⇒ Absorption and dehydration of the surfaces of packed or retort pouch, or glass bottles
- ⇒ Coating of various water-soluble adhesive, antistatic agents, paints, etc.

Basic Physical Properties

		Conditions of measurement
Porosity %	90	DRY
Water retention (wt%)	1100	Wet (saturated) weight over dry weight
Tensile strength (kPa)	400	WET
Elongation (%)	250	WET
Hot water resistance (° C)	60	-

Standard Dimensions



A: Outer Dia.	B: Inner Dia. (app. Inner dia. or PVA core)	C: Length	D: Length of PVA core
40	22 (16)	500 ~ 600	Sponge length + 60 ~ 100
50	26 (20)	500 ~ 600	
60	26 (20)	500 ~ 800	
67	26 (20), 32 (25)	500 ~ 800	
77	32 (25), 38 (31), 48 (40)	500 ~ 1000	
100	48 (40), 60 (51)	500 ~ 1200	
125	76 (67), 89 (77)	500 ~ 1500	
194	89 (77)	500 ~ 2000	
240	165 (146)	500 ~ 2000	

Dimensions listed above are only a part of our standard dimensions.

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