

## General Information

### PVA Sponge Roller for Hard disc Drive process and Semiconductor process



PVA Sponge Roller is a soft sponge (wet condition) that brings the most effective for cleaning application. The porous structure for PVA sponge roller also acts as a waterway for detergent fluid to flow across the PVA sponge roller reaching cleanable substance.

### Material Specification

<u>Parameters</u>	<u>Spec</u>
Raw Material	PVA
Specific Gravity (Dry)	0.1 – 0.15
Porosity (%)	85 – 95
Pore diameter	30 - 300
Water Retention (%)	500 - 1200
Hardness	10 – 80
Tensile Force (dry)	24kg/cm <sup>2</sup>
Tensile Force (wet)	4kg/cm <sup>2</sup>
Heat Resistance	60 C

### Cleanliness Requirement

	<u>Spec (ppb level)</u>
F <sup>-</sup>	< 1
Cl <sup>-</sup>	< 50
NO <sub>3</sub> <sup>-</sup>	< 50
PO <sub>4</sub> <sup>-3</sup>	< 5
SO <sub>4</sub> <sup>-2</sup>	< 20
Na <sup>+</sup>	< 5
NH <sub>4</sub> <sup>+</sup>	< 50
K <sup>+</sup>	< 1
Li <sup>+</sup>	< 1
Mg <sup>+2</sup>	< 1
Ca <sup>+2</sup>	< 5

We are able to tailor made difference surface design, length dimension and pore size that will achieve better cleaning result. Please kindly talk to DST Technology for your needs or visit our website at [www.dstec.com.my](http://www.dstec.com.my).



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