

PVA Sponge Roller Technical Data Sheet

Description

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.



Features

- 100% synthetic Polyvinyl Acetal (PVA) Material
- Unique nodular design for improving water flow rate.
- Sterilization for better control on bacteria growth.
- Individual pack with double bag.
- 6 months product life span
- Pack under ISO Class 5 clean room.

Advantages

- PVA sponge roller build under proper control process, ISO certified facility.
- PVA sponge roller passes stringent inspection, contamination, mechanical properties test.
- PVA sponge roller has gone through standardize wash and sterilization process for better cleanliness control and bacteria growth.
- Strong technology support for improvement.

Application

- Disc drive cleaning process
- Wafer post-CMP cleaning

Quality

DST Technology knows our customer requires quality products build under proper control process, comply with stringent cleanliness requirement and consistency of products.

Our PVA sponge roller has passed through thorough check on contamination and mechanical properties test before market to industry.

Mechanical Properties

Raw Material	PVA
Specific Gravity(dry)	0.1-0.15
Porosity	85-95%
Pore Diameter	30-250um
Water Retention	500-1200
Tensile Strength (dry)	24kg/cm2
Tensile Strength (wet)	4kg/cm2
Heat Resistance	60C

Chemical Resistance

H ₂ SO ₄ < 5%	CH ₃ COOH < 1%
HCl < 2%	H ₂ C ₂ O ₄ < 5%
H ₃ PO ₄ < 5%	RCOOR – OK
HF < 5%	CCl ₄ – OK
NH ₃ OH < 10%	CH ₃ COOCH ₂ CH ₃ - OK
H ₂ OH < 3%	C ₇ H ₈ – OK
HOCl – OK	THF – OK
NaOH – OK	HOCl – NG
HNO ₃ – NG	CH ₃ OH (50-80%) - NG
	C ₂ H ₅ OH (50-80%) - NG
	(C ₂ H ₅) ₂ O – NG



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