



# Cleanroom wipers 1094 and PRT 10124

4 sealed-border by Ultra-sonic wave

**PRT 1094 and 10124** are 100% continuous-filament, double-knit polyester wipers with excellent cleaning function and high soft touchness. It's unique double-knit construction is strong, tear and abrasion resistant. Feels like silk and works like cotton.

## **Applications:**

- Used for semiconductor, TFT-LCD and BLU process
- Suited for parts, equipment, cleanroom floor in a critical cleanroom and an assembly line
- Used for cleaning the equipment entering cleanroom and general material.

## **Fabric specification:**

Material	100% Polyester
Structure	75 De / 48 Fila
Weight	>160 g/m <sup>2</sup>
Thickness	0,55 mm +/- 0,05 mm
Width	60 Inch +/- 2 Inch

Technical datas on page 2

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## Cleanroom wiper PRT 1094

### Technical data for PRT 1094, 9" x 9":

	<b>Spec.</b>	<b>Unit</b>	<b>Test description</b>
<b>Weight</b>	>8.500 >160	g/Sh g/m <sup>2</sup>	PTM-02 measures the mass per unit or a sheet of a wiper
<b>Thickness</b>	0.50-0.60	mm	PTM-03 measures the thickness of a wiper
<b>Absorbency capacity 1</b>	>2.70	ml/g	PTM-04-1 measures the volume of liquid sorbed per unit gram of a wiper
<b>Absorbency capacity 2</b>	>450	ml/m <sup>2</sup>	PTM-04-2 measures the volume of liquid sorbed per basic unit (m <sup>2</sup> ) area
<b>Absorbency speed 1</b>	<60	Sec.	PTM-05-1 Measures the ascendant speed of the determined height (height: 5cm) of a wiper
<b>Absorbency speed 2</b>	<8	Sec.	PTM-05-2 Measures the spread-speed of the determined range (semidiameter: 3cm) of a wiper
<b><u>Contamination test items:</u></b>			
<b>Air particle</b>	<1.000	ea/ft <sup>3</sup> (10 Sh)	PTM-06 measures how many particles can potentially be generated when handling a dry wiper. The results are expressed as particles >0.3µm per determined time (60 sec.)
<b>Liquid particle</b>	<800	ea/ml/ (1 Sh)	PTM-09 measures how many particles can potentially be generated when handling a wet wiper. The results are expressed as particles >0.5µm
<b>Lint (Mono filament)</b>	<20	ea/1 Sh	PTM-08 measures microscopically the fiber released into filter after a wiper is washed in water using a sonicator for the determined minutes. The results are expressed as fibers >100µm.
<b>Positive Ion (Na, Ca)</b>	< 0.50	ppm	ICP-AES / IC entrust ion test to the authorized facilities periodically. The results are stated in parts per million.
<b>Negative Ion (Cl, PO<sub>4</sub>, SO<sub>4</sub>)</b>	< 0.50	ppm	

	<b>RTPRT 1094</b>	<b>RTPRT 10124</b>
<b>Size:</b>	9 " x 9"	12" x 12"
<b>Packaging unit:</b>	100 wipers	50 wipers

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