

WIPER INTRODUCTION

2013 Revision 00

MODEL : PRT – 1091

High Performance and Quality Wiper

Wiper Classification

FABRIC MATERIAL	CUTTING TYPE	CLASS LEVEL	PACKING TYPE
<input checked="" type="checkbox"/> Polyester 100%	<input type="checkbox"/> BY ULTRA SONIC	<input checked="" type="checkbox"/> Class 10 (ISO Class 4)	<input checked="" type="checkbox"/> General Stack Type
<input type="checkbox"/> Polyester + Nylon	<input type="checkbox"/> BY LASER	<input checked="" type="checkbox"/> Class 100 (ISO Class 5)	<input type="checkbox"/> Folding Type
<input type="checkbox"/> Polyester + Cellulose	<input checked="" type="checkbox"/> BY HOT WIRE	<input checked="" type="checkbox"/> Class 1000 (ISO Class 6)	<input type="checkbox"/> Rolling Type
<input type="checkbox"/> Polyester + Carbon	<input type="checkbox"/> BY HOT KNIFE	<input type="checkbox"/> >Class 10000	<input type="checkbox"/> The Others Method

Fabric Specification

Material	Polyester 100%
Structure	75 De / 36 Fila
Weight	> 160 g/m ²
Thickness	0.55 mm ± 0.05mm
Width	60 Inch ± 2 Inch

Fabric Benefits

- 100% continuous-filament, double-knit polyester
- Excellent cleaning function.
- High soft touchness.
- Top class absorption power.
- Unique double-knit construction is strong, tear and abrasion resistant.
- Feels like silk and works like cotton.

Product Features

- Minimum release of fibers and particles by 4 sealed-border by thermal Heat.
- Washed by 17 MΩ de-ionized water and packaged in Class 10 cleanroom environment.
- All processes are strictly controlled by QC standard.
- Designed for use in Class 1- 100 cleanroom environments.

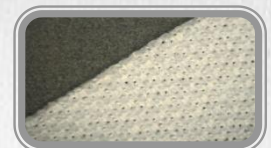
Ordering Information

Code	Size	Packing
PRT-1091	9" × 9"	100pc/bag * 10bags/box

> Customized size and packing are available.

Applications

- Used for ultra-high accumulation semiconductor, TFT-LCD 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.



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Product Specification

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PTM : PURITECH TEST METHOD

PTM procedures are available upon request.

Basic Test Items

TEST ITEM	SPEC	UNIT	TEST METHOD	Test Description The following are brief descriptions of Puritech's wiper test
Weight	> 8.500	g/Sh	PTM-02	Measures the mass per unit area or a sheet of a wiper
	> 160	g / m2		
Thickness	0.50 – 0.60	mm	PTM-03	Measures the thickness of a wiper
Absorbency Capacity 1	> 2.70	ml/ g	PTM-04-1	Measures the volume of liquid sorbed per unit gram of a wiper
Absorbency Capacity 2	> 450	ml / m2	PTM-04-2	Measures the volume of liquid sorbed per basic unit (m2) area.

Contamination Test Items

AIR PARTICLE	< 1,200	ea / ft3 (10 Sh)	PTM-06	Measures how many particles can potentially be generated when handling a dry wiper . The results are expressed as particles > 0.3 μm per determined time(60 seconds)
LIQUID PARTICLE	< 1,000	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 > 0.5 μm
Lint (Mono filament)	< 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 > 100 μm .
Positive ION (Na, Ca)	< 5.00	PPM	ICP-AES	Entrust Ion test to the authorized facilities periodically. The results are stated in parts per million .
Negative ION (Cl, PO4, SO4)	< 5.00	PPM	IC	