



## PRT 2091

### 4 sealed-border micro-denier wiper by thermal heat

PRT-2091 wiper particularly proud its scientific and efficient cleaning performance in critical cleanroom environment. The yarn of PRT-2091 is made of synthetic polyester and nylon 100% continuous-filament, use ultra fine yarn (0.13denier). Perfect cleaning function by a ultra tiny wedge-shaped microfiber. Preservation of the value of object by a capillary phenomenon. Enormous absorption power.

#### Product features:

- minimum release of fibers and particles by 4 sealed-border by thermal heat
- washed by 17 Ohm de-ionized water and packaged in Class 10 cleanroom environment
- under ISO 9001/14001 all processes are strictly controlled
- designed for use in cleanroom class 10-100

#### Data table:

	<b>Value</b>	<b>Unit</b>	<b>Test method</b>
<b>Weight</b>	>5.500 >105	g/Sh g/m <sup>2</sup>	PTM-02 measures the mass per unit area or a sheet of a wiper
<b>Thickness</b>	0.20-0.26	mm	PTM-03 measures the thickness of a wiper
<b>Absorbency capacity 1</b>	>1.80	ml/g	*PTM-04-1 measures the volume of liquid sorbed per unit gram of a wiper
<b>Absorbency capacity 2</b>	>230	ml/m <sup>2</sup>	*PTM-04-2 measures the volume of liquid sorbed per basic unit (m <sup>2</sup> ) area
<b>Air particle</b>	<0.200*10 <sup>3</sup>	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 (60sec.)
<b>Liquid particle</b>	<0.200*10 <sup>3</sup>	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 >0,5Mm
<b>Lint (mono filament)</b>	<0.35	ea/cm <sup>2</sup> (1Sh)	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>	< 0.5	ppm	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>	< 0.5	ppm	
<b>Material</b>			Polyester 75%, Nylon 25%

PTM procedures available upon request. As mentioned data represent typical analyses of these wipers at present. These are not specifications.

**Art.-no.: RTPRT2091**

**Size: 9" x 9"**

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