

## KM Sterilized Polyetser Wiper

### Sterilized Polyester Sheet Wiper for Clean Environment



## Description

KM-5509 is Cleanroom Wiper applied with Thermal cutting to minimize the particle generation on edges. Using the specially weaved 100% Polyester prevents from the generation of Particle and Fiber and improves the absorbency and wipe ability. Primary cleaning with De Ionized water remove ion and bacteria and secondary Sterilization with Gamma Ray. KM-5509 is safe from bacteria and virus.

## Feature

- Easy to store for a long time by Gamma Ray Sterilization
- Minimizes Particles, NVR and Ion contents
- Laundered and Packaged in Cleanroom Class 10
- High absorbing rate and capacity
- Minimizes Particles, NVR and Ion contents

## Application

- Wiper for Cleanroom

## Product

Name	Description	Packaging
KM-5509	9" x 9"	-

## Product Environment

- Laundered and Packaged in Cleanroom Class 10 (Certified ISO 9001:2008)
- The quality of the product is guaranteed from the manufacturing stage through shipping
- Cleanroom is continually managed for maximum customer satisfaction
- Using De-ionized water to minimize ions and Particles
- Utilizing U/F system to reduce the number of particles (above 0.3 $\mu$ m) less than 50 per ml
- Sterilization with Gamma Ray(cobalt-60) removes Bacteria and Virus
- Manage the Dosimetry Range as 20~40kGy

## KM Sterilized Polyetser Wiper

Property	Unit	SPEC	Value	Test Method	Remarks	
Material	-	-	-	Polyester	-	
Length	MD	230±10	224.7	JIS L 1096 8.3	-	
	TD		228.0			
Weight	g/sh	8.8±0.9	8.57	JIS L 1096 8.4	-	
	g/m <sup>2</sup>	168±17	167.27		-	
Thickness	μm	580±20	560.00	JIS L 1096 8.5	-	
Time to Sorption	Horizontal	sec/6ø	≤4	IEST-RP-CC004.2 7.2	-	
	Vertical	sec/5cm	≤60		14.31	-
Absorbency		g/sh	≥19.3	IEST-RP-CC004.2 7.1	-	
		g/m <sup>2</sup> (cc/m <sup>2</sup> )	≥370		406.13	-
		cc/g	≥2.19		2.42	-
APC	≥0.3μm, ea/pcs, 1cfm	≤50	2.10	JIS-B-9923 6.2 Tumbling	Airborne Particle	
LPC	0.5μm, ea/ml	≤100	20.38	IEST-RP-CC004.3 6.1.3	Liquid Particle_Orbital Shake	
	0.5μm, ea/cm <sup>2</sup>	≤0.05x10 <sup>3</sup>	0.01x10 <sup>3</sup>			
Lint	≥100μm, ea/pcs	≤25	3.50	IEST-RP-CC004.2	-	
Fiber	≥100μm, ea/cm <sup>2</sup>	≤1	0.05	IEST-RP-CC004.3 6.2.2.2		
NVR	Grade	≥B	A	IEST-RP-CC-004.3 7.1.2	Dust spot method	
	DIW		0.02		Gravimetric method	
	IPA		0.1			
Ion	Na <sup>+</sup>		0.22	IEST-RP-CC004.3 7.2.2	Cation	
	K <sup>+</sup>		0.00			
	Ca <sup>++</sup>		0.08			
	Mg <sup>++</sup>		0.00			

KM is the Only Clean Products company to be ISO 9001:2008, 14001:2004, 13485:2003, and OHSAS 18001:2007 registered.