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## WIPER TECHNICAL DATA SHEET

**Part No.:** QL-1009A-USB

**Product Description:** 9"x9", Ultrasonic Sealed Border. Interlock, double-knitted polyester wiper.

**Features:**

- Cleanroom processed from yarn knitting, laundry, cutting to packaging (Quantum Process)
- Solvent resistance
- Good absorptive capacity and absorptive rate
- Ultrasonic Sealed Border for smooth edge and controlled particle release
- 50 Pcs/Inner bag, 150 Pcs/outer bag, 10 outer bags/case (1,500 pcs/case)

**Applications:**

- General purpose wiping, moping and polishing
- Spill control
- Washable and autoclaveable
- Cleanroom ISO Class 4 compatible.

**Performance Characteristics**

Property	Typical Value	Test Method	Remarks
Basis Weight	147.5 g/m <sup>2</sup>	SJ/T 11480-2014 4.3	
Thickness	0.52 mm	GB/T 24218.2-2009	
Sorptive Capacity	365.4 ml/m <sup>2</sup>	IEST-RP-CC004.3 (2004) 8.1, 8.2	
Sorptive Rate (IPA)	0.27 sec.	IEST-RP-CC004.3 (2004) 8.2, 8.2	

**Contamination Characteristics**

Property	Typical Value	Test Method	Remarks
LPC ≥ 0.5 μm	195 particles/cm <sup>2</sup>	IEST-RP-CC004.3 (2004) 6.1.4	
APC ≥ 0.5 μm	32 particles/9"x9" piece	IEST-RP-CC003.4 (2011) B2.4	
Silicone Oil	ND	IEST-RP-CC004.3 (2004) 7.2.1	
DOP	ND	IEST-RP-CC004.3 (2004) 7.2.1	
Amine	ND	IEST-RP-CC004.3 (2004) 7.2.1	
NVR (IPA)	0.0695 mg/g	IEST-RP-CC004.3 (2004) 7.1.2	
NVR (DIW)	0.0072 mg/g	IEST-RP-CC004.3 (2004) 7.1.2	
Sodium <sup>+</sup>	0.072 ppm	IEST-RP-CC004.3 (2004) 7.2.2	MDL=.001 ppm
Potassium <sup>+</sup>	ND	IEST-RP-CC004.3 (2004) 7.2.2	MDL=.001 ppm
Chloride <sup>-</sup>	0.051 ppm	IEST-RP-CC004.3 (2004) 7.2.2	MDL=.001 ppm

**Note:** Data in this table represents typical analyses of these wipers at time of publication. Based on test report no. SUO150305001, Lot No. 510115030052

Q-Leap lab meets ISO 17025 Standards for testing cleanroom materials.

Q-Leap production facility is ISO 9001:2008 and ISO 14001:2004 certified.