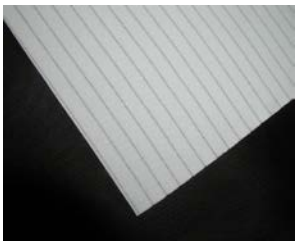
ESD wiper MKC-002E

Use: Cleanrooms ISO class 3-5
Material: Polyester / Nylon / Carbon



Edges: Laser cut
Material: 79% Polyester
20% Nylon
1% Carbon

Surface resistivity according to DIN EN 61340-2-3:2017
Average: $4{,}0 \times 10^6 \Omega$

Volume resistivity according to DIN EN 61340-2-3:2017
Average: $1{,}3 \times 10^5 \Omega$

Technical Data

2-1 Micro-Denier Fabric

Contents		Specifications
Particle count (>0.5µm)	Orbital shake, SEM (per m²)	18.5×10^6
NVR (g/m²)	D.I. water	0.013
	IPA	0.09
Extractable Ions (ppm)	Na	0.2
	K	0.02
	Cl	0.13
	NO_2	0.01

2-2 Micro-Denier Fabric

Contents		Specifications	Remarks
Weight (g/m²)		205	
Absorbency	Capacity (ml/m²)	383	
	Efficiency (ml/g)	19.97	
	Speed (sec.)	31.39	
Tensile strenght (kg)	MD (Machine direction)	150	
	CD (Machine direction)	132	
Composition	Polyester : Nylon	80 : 20	conjugated
Fabric width (cm)		152.4	
Thickness (µm)		476	

Chemical resistance property

Organic compounds		Stability
Alcohols	Methanol	✓
	Ethanol	✓
	Isopropanol	✓
	Butanol	✓
	Ethylene Glycol	✓
Hydrocarbons	Benzene	✓
	N-Hexane	✓
	N-Oktane	✓
	Toluene	✓
	Xylene	✓
Chlorinated Hydrocarbons	Tetrachloride Carbon	✓
	Trichloro Ethylene	✓
	Perchloro Ethylene	✓
Ketones / Esters / Ethers	Acetate	✓
	Dioxinane	✓
	Tetrahydrofuran	✓
	Methyl-Ethyl-Ketone	✓
	Methyl Acetat	✓
	Ethyl Acetate	✓
	Buthyl Acetate	✓
	Amyl Acetate	✓
	Ethyl Ether	✓
Inorganic compounds		
Acids and Alkalis	1N Sulfuric Acid	✓
	0.1N Nitric Acid	✓
	0.1N Chloric Acid	✓
	25% Ammonium solution	✓
	0.1N Sodium Hydroxide	✓
	6N Sodium Hydroxide	X
Bleaches	5% Hydrogen Eroxide	✓
	0.02% Sodium Hypochlorous	✓

Test method: Dip material in 15g for 72 hr…

✓ **= stable** **X = unstable**

Size: 9" x 9"
Packaging unit: 100 pcs.
Art.-no.: RTMKC002E

hans j. michael gmbh
Gewerbegebiet Hart 11, D-71554 Weissach i.T., Phone: 0049-7191-9105-0, Fax: 0049-7191-9105-19
e-mail: office@hjm-reinraum.de, website: www.cleanroom-hjm.com