

## TECHNICAL DATA SHEET

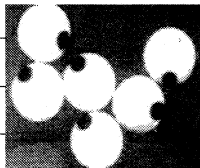
### 1. Product Item No. and Spec.

a. Item No. Size : ESD MKC-002E / 9" X 9". 4 sides Laser Cutting

### 2. Composition of Raw Material

a. Polyethyleneterephthalate (PET)	70 ~79 %	Cas No. : 25038-59-9
b. Polyamide ( Nylon-6 )	20 ~ 30 %	Cas No. : 25038-54-4
c. Conductive Carbon Yarn	1%	Base Polymermer : Nylon type
d. Titanium Dioxide (TiO <sub>2</sub> )	0.30%	Cas No. : 1317-70-0

### 3. Specification of Yarn

a. Conjugated Yarn	Name	* Nylon-Polyester conjugated Yarn.	
	Count	* 75 Denier 48 Filament (DTY)	
	Luster	* Semi-Dull	
b. Carbon Yarn	Base Polymer	* Nylon (Carbon-inside)	
	Count	* 60 Denier 6 Filament (CCY)	
	Cross Section	* Ecentricity ( See picture ==>	
	Color	* Black	
c. Country of Origin		* Made in Korea. (All of yarn)	

### 4. Fabric Cloth

- a. Circular Knitted Fabric Cloth with 42gause per inch  
 b. Conductive carbon yarn placed interval with 5 mm

### 5. Technical Data

Yarn	a. Electrical Resistance ( $\Omega$ /cm )	under 10*8	
	b. Frictional Electricity ( V )	under 1,000	
Fabric Cloth	a. Thickness ( mm )	2.5	ASTM D 1777
	b. Weight ( gr/sqm )	180	ASTM D 3776
	c. Carbon Fiber Interval (mm)	5.0	
	d. Absorbency ( ml/g )	3.0	IES-RP-CC-004.2
	e. Absorbency ( ml/sqm )	540	
	f. Absorbency ( sec )	1	
	g. Metalic Ion( ppm )	K	0.05
Na		Under 0.01	
Cl		Under 0.01	