

TECHNICAL DATA SHEET

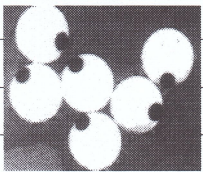
1. Product Item No. and Spec.

- 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 ₂)	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 (Ω /cm)	under 10*8	
	b. Frictional Electricity (V)	under 1,000	
Fabric Cloth	a. Thickness (mm)	0.25	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	