



E-Song America, Inc.

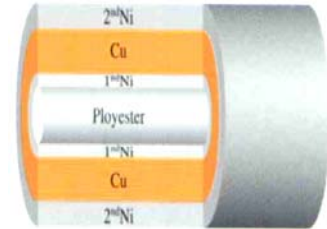
1901 S. Bascom Ave., Prune Yard Tower I, Suite 1225, Campbell, CA 95008
 Email: sales@esongamerica.com Tel. (408) 466-5446 FAX (408) 879-9373

100%
RoHS Compliant
Products

CuNi PLATED CONDUCTIVE FABRIC - NON-WOVEN

■ Characteristic

Fabric is not woven and much lighter than woven cloth. It does not elongate and has less breaking strength than woven cloth. But it has higher shielding effectiveness due to randomly overlapping threads. ATU (anti-tarnish urethane) coating is available.



■ Technical data

PART NO.		NWEA-30-PCN	NWEA-50-PCN	NWEA-70-PCN	NWEA-100-PCN	NWEA-K100-PCN
Type		Non-Woven	Non-Woven	Non-Woven	Non-Woven	Non-Woven
Surface Color		Gray	Gray	Gray	Gray	Gray
Base Fiber		Polyester	Polyester	Polyester	Polyester	Polyester
Plating Type		Ni-Plating	Ni-Plating	Ni-Plating	Ni-Plating	Ni-Plating
Plating Material		Ni + Cu + Ni	Ni + Cu + Ni	Ni + Cu + Ni	Ni + Cu + Ni	Ni + Cu + Ni
Max. Width (mm)		1070 ±10	1070 ±10	1070 ±10	1070 ±10	1070 ±10
Density	Warp	-	-	-	-	-
	Weft	-	-	-	-	-
Weight (g/m ²)		45 ±3	70 ±3	94 ±3	125 ±3	135 ±3
Thickness (mm)		0.14 ±0.01	0.18 ±0.02	0.26 ±0.02	0.32 ±0.02	0.43 ±0.02
Breaking Strength (N)	Warp	109.7 ±10	185.2 ±10	366.5 ±10	375.8 ±10	401.8 ±10
	Weft	51.9 ±10	96.1 ±10	252.8 ±10	268.5 ±10	294 ±10
Elongation (%)	Warp	7.6 ±5	14.9 ±5	22.6 ±5	23.4 ±5	26 ±5
	Weft	6.1 ±5	9.9 ±5	16.7 ±5	16.7 ±5	20 ±5
Surface Resistance (Ω/inch ²)	Max.	50	50	50	50	50
	Min.	0.08	0.08	0.08	0.08	0.08
	Avg.	<0.05	<0.05	<0.05	<0.04	<0.04
Shielding Effectiveness (dB), 500 MHz	Max.	90	90	90	90	90
	Min.	10	10	10	10	10
	Avg.	>65	>65	>65	>70	>70

ENVIRONMENTALLY HAZARDOUS SUBSTANCE TEST RESULTS	Lead (Pb)	ND	ICP-AES
	Cadmium (Cd)	ND	ICP-AES
	Mercury (Hg)	ND	ICP-AES
	Hexavalent Chromium (Cr VI)	ND	UV-Vis
	PBBs	ND	GC/MS

*ND=not detected.

(SGS Testing, Korea)