



Vectran[®]
Electronic Fabric Samples

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TABLE

No.	Part No.	Weaving System	Thickness (mm)	Wt. per area (g/m ²)
1	HT-0156	Plain Weave	0.11	52
2	HT-0165	Plain Weave	0.12	63
3	HT-0234	Plain Weave	0.12	57
4	HT-0244	Plain Weave	0.12	78
5	HT-0255	Plain Weave	0.19	106
6	HT-0518T	Plain Weave	0.21	82
7	HT-0544	Plain Weave	0.32	176
8	HT-1020	Plain Weave	0.27	177
9	HT-1030T	Plain Weave	0.46	285
10	HT-1513	Plain Weave	0.29	172
11	HT-1513T	Plain Weave	0.32	172
12	HT-1516	Plain Weave	0.32	213
13	HT-1535T	Mat Weave	0.72	500
14	HT-4533	3/3 Mat Weave	2.50	1,300
15	HT-2026	4/4 Diagonal	0.67	426
16	AP-2245	Plain Weave	1.10	600
17	AP-2272	2/2 Twill	0.61	300
18	AP-5234	Plain Weave	1.10	600
19	AP-2272 RED	2/2 Twill	0.61	300
20	AP-2272 BLUE	2/2 Twill	0.61	300
21	AP-2272 GREEN	2/2 Twill	0.61	300
22	HT-1512K PV	Gauze Fabric (Resin Coated)	0.90	315
23	HT-2000 PV	Russell Twill (Resin Coated)	1.40	310
24	HT-3016 PV	Gauze Fabric (Resin Coated)	1.40	500
25	HT4550	Tri-axial Mesh	0.37	40
26	VC-2200	Bonded Mesh	0.35	60
27	HT-2016	Knit	0.50	210
28	HP-100	Needle Punch	0.62	100
29	HP-200	Needle Punch	1.38	200
30	HP-300	Needle Punch	2.00	300

(Note) The aforementioned values are measured values and do not represent certified values.

1

Part Number		HT-0156	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-100d/1	HT-100d/1	
Density (threads/inch)	56	56	
Thickness (mm)	0.11	0.11	
Weight per area (g/m ²)	52	52	
Tensile Strength (kgf/3cm)	148	158	
Tensile Elasticity (%)	5.0	4.9	

2

Part Number		HT-0165	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-100d/1	HT-100d/1	
Density (threads/inch)	62	62	
Thickness (mm)	0.12	0.12	
Weight per area (g/m ²)	63	63	
Tensile Strength (kgf/3cm)	166	156	
Tensile Elasticity (%)	7.7	6.7	

3

Part Number		HT-0234	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-200d/1	HT-200d/1	
Density (threads/inch)	34	34	
Thickness (mm)	0.12	0.12	
Weight per area (g/m ²)	57	57	
Tensile Strength (kgf/3cm)	162	159	
Tensile Elasticity (%)	4.2	4.1	

(Note) The aforementioned values are measured values and do not represent certified values.

4

Part Number		HT-0244	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-200d/1	HT-200d/1	
Density (threads/inch)	44	44	
Thickness (mm)	0.12	0.12	
Weight per area (g/m ²)	78	78	
Tensile Strength (kgf/3cm)	205	215	
Tensile Elasticity (%)	5.3	4.8	

5

Part Number		HT-0255	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-200d/1	HT-200d/1	
Density (threads/inch)	55	55	
Thickness (mm)	0.19	0.19	
Weight per area (g/m ²)	106	106	
Tensile Strength (kgf/3cm)	237	276	
Tensile Elasticity (%)	12.7	4.8	

6

Part Number		HT-0158T	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-500d/1	HT-500d/1	
Density (threads/inch)	19	19	
Thickness (mm)	0.21	0.21	
Weight per area (g/m ²)	82	82	
Tensile Strength (kgf/3cm)	183	188	
Tensile Elasticity (%)	5.2	5.8	

7

Part Number		HT-0544	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-500d/1	HT-500d/1	
Density (threads/inch)	44	44	
Thickness (mm)	0.32	0.32	
Weight per area (g/m ²)	176	176	
Tensile Strength (kgf/3cm)	439	392	
Tensile Elasticity (%)	10.8	5.6	

8

Part Number		HT-1020	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-1000d/1	HT-1000d/1	
Density (threads/inch)	20	20	
Thickness (mm)	0.27	0.27	
Weight per area (g/m ²)	177	177	
Tensile Strength (kgf/3cm)	410	432	
Tensile Elasticity (%)	5.8	4.4	

9

Part Number		HT-0130T	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-1000d/1	HT-1000d/1	
Density (threads/inch)	30	30	
Thickness (mm)	0.46	0.46	
Weight per area (g/m ²)	285	285	
Tensile Strength (kgf/3cm)	630	710	
Tensile Elasticity (%)	16.4	8.6	

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10

Part Number		HT-1513	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-1500d/1	HT-1500d/1	
Density (threads/inch)	13	13	
Thickness (mm)	0.29	0.29	
Weight per area (g/m ²)	172	172	
Tensile Strength (kgf/3cm)	424	404	
Tensile Elasticity (%)	4.9	4.9	


11

Part Number		HT-1513T	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-1500d/1	HT-1500d/1	
Density (threads/inch)	13	13	
Thickness (mm)	0.32	0.32	
Weight per area (g/m ²)	172	172	
Tensile Strength (kgf/3cm)	424	404	
Tensile Elasticity (%)	4.9	4.9	


12

Part Number		HT-1516	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	HT-1500d/1	HT-1500d/1	
Density (threads/inch)	16	16	
Thickness (mm)	0.32	0.32	
Weight per area (g/m ²)	213	213	
Tensile Strength (kgf/3cm)	566	637	
Tensile Elasticity (%)	5.0	4.7	

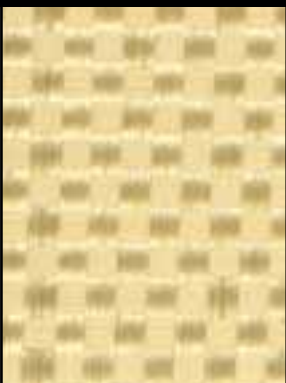
13

Part Number		HT-0535T	
Weaving System	Mat Weave		
	Vertical	Horizontal	
Thread Used	HT-1500d/1	HT-1500d/1	
Density (threads/inch)	35	35	
Thickness (mm)	0.72	0.72	
Weight per area (g/m ²)	500	500	
Tensile Strength (kgf/3cm)	1,120	1,220	
Tensile Elasticity (%)	14.1	5.8	

14

Part Number		HT-4533	
Weaving System	Mat Weave		
	Vertical	Horizontal	
Thread Used	HT-1500d/1X3	HT-1500d/1X3	
Density (threads/inch)	33	30	
Thickness (mm)	2.50	2.50	
Weight per area (g/m ²)	1,300	1,300	
Tensile Strength (kgf/3cm)	3,000	3,000	
Tensile Elasticity (%)	15.0	15.0	

15

Part Number		HT-2026	
Weaving System	4/4 Diagonal		
	Vertical	Horizontal	
Thread Used	HT-100d/1	HT-100d/1	
Density (threads/inch)	26	22	
Thickness (mm)	0.67	0.67	
Weight per area (g/m ²)	426	426	
Tensile Strength (kgf/3cm)	1,114	890	
Tensile Elasticity (%)	4.3	6.7	

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16

Part Number		AP-2245	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	AP-20/2	AP-20/2	
Density (threads/inch)	43	41	
Thickness (mm)	0.42	0.42	
Weight per area (g/m ²)	218	218	
Tensile Strength (kgf/3cm)	228	228	
Tensile Elasticity (%)	15.9	7.5	


17

Part Number		AP-2272	
Weaving System	2/2 Twill		
	Vertical	Horizontal	
Thread Used	AP-20/2	AP-20/2	
Density (threads/inch)	72	47	
Thickness (mm)	0.61	0.61	
Weight per area (g/m ²)	300	300	
Tensile Strength (kgf/3cm)	301	215	
Tensile Elasticity (%)	15.3	7.1	


18

Part Number		AP-5234	
Weaving System	Plain Weave		
	Vertical	Horizontal	
Thread Used	AK-5/2	AK-5/2	
Density (threads/inch)	34	28	
Thickness (mm)	1.10	1.10	
Weight per area (g/m ²)	600	600	
Tensile Strength (kgf/3cm)	800	600	
Tensile Elasticity (%)	26.9	6.5	


19

Part Number		AP-2272 RED	
Weaving System	2/2 Twill		
	Vertical	Horizontal	
Thread Used	AP-20/2	AP-20/2	
Density (threads/inch)	72	47	
Thickness (mm)	0.61	0.61	
Weight per area (g/m ²)	300	300	
Tensile Strength (kgf/3cm)	270	190	
Tensile Elasticity (%)	16.0	9.0	

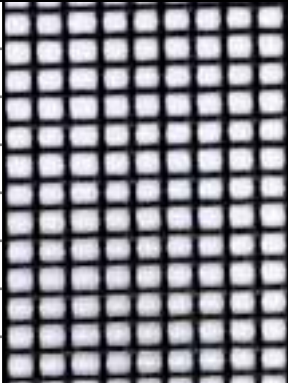
20

Part Number		AP-2272 BLUE	
Weaving System	2/2 Twill		
	Vertical	Horizontal	
Thread Used	AP-20/2	AP-20/2	
Density (threads/inch)	72	47	
Thickness (mm)	0.61	0.61	
Weight per area (g/m ²)	300	300	
Tensile Strength (kgf/3cm)	270	190	
Tensile Elasticity (%)	16.0	9.0	

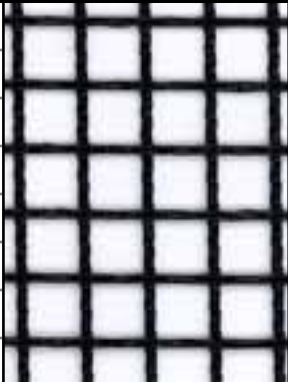
21

Part Number		AP-2272 GREEN	
Weaving System	2/2 Twill		
	Vertical	Horizontal	
Thread Used	AP-20/2	AP-20/2	
Density (threads/inch)	72	47	
Thickness (mm)	0.61	0.61	
Weight per area (g/m ²)	300	300	
Tensile Strength (kgf/3cm)	270	190	
Tensile Elasticity (%)	16.0	9.0	

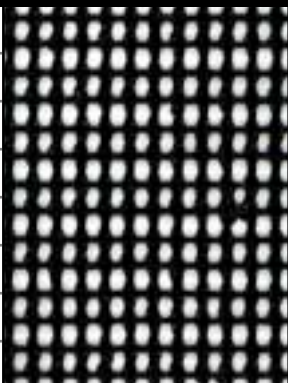
22

Part Number		HT-1512K PV	
Weaving System	Gauze Fabric (Resin Coated)		
	Vertical	Horizontal	
Thread Used	HT-1500d/1	HT-1500d/1	
Density (threads/inch)	3	3	
Thickness (mm)	0.90	0.90	
Weight per area (g/m ²)	315	315	
Tensile Strength (kgf/3cm)	14.0	8.1	
Tensile Elasticity (%)	7.0	5.0	

23


Part Number		HT-2000 PV	
Weaving System	Russell Twill (Resin Coated)		
	Vertical	Horizontal	
Thread Used	HT-2000d/1/2	HT-2000d/1/2	
Density (threads/inch)	7	7	
Thickness (mm)	1.4	1.4	
Weight per area (g/m ²)	310	310	
Tensile Strength (kgf/3cm)	240	240	
Tensile Elasticity (%)	5.0	5.0	

24

Part Number		HT-3016 PV	
Weaving System	Gauze Fabric (Resin Coated)		
	Vertical	Horizontal	
Thread Used	HT-3000d/1	HT-3000d/1	
Density (threads/inch)	16	8	
Thickness (mm)	1.40	1.40	
Weight per area (g/m ²)	1,000	500	
Tensile Strength (kgf/3cm)	7.0	600	
Tensile Elasticity (%)		5.0	

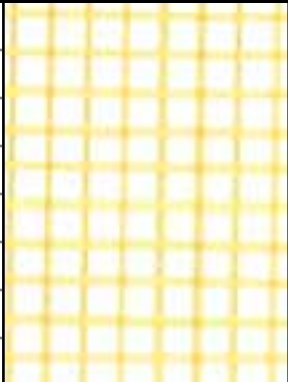
25

Part Number		HT-4550	
Weaving System	Tri-axial Mesh		
	Vertical	Horizontal	
Thread Used	HT-1500d/1/3	HT-1500d/1/3	
Density (threads/inch)	50	50	
Thickness (mm)	0.37	0.37	
Weight per area (g/m ²)	40	40	
Tensile Strength (kgf/3cm)	116	92	
Tensile Elasticity (%)	4.6	4.7	




26

Part Number		VC-2200	
Weaving System	Bonded Mesh		
	Vertical	Horizontal	
Thread Used	HT-1000d/1	HT-1000d/1	
Density (threads/inch)	5	5	
Thickness (mm)	0.35	0.35	
Weight per area (g/m ²)	60	60	
Tensile Strength (kgf/3cm)	80	70	
Tensile Elasticity (%)	3.8	4.1	



27

Part Number		HT-2016	
Weaving System	Knit		
	Vertical	Horizontal	
Thread Used	AP-20/1	AP-20/1	
Density (threads/inch)	16	16	
Thickness (mm)	0.50	0.50	
Weight per area (g/m ²)	210	210	
Tensile Strength (kgf/3cm)	127	52	
Tensile Elasticity (%)	47.5	163.2	



(Note) The aforementioned values are measured values and do not represent certified values.

28

Part Number		HP-100	
Weaving System	Needle Punch		
	Vertical	Horizontal	
Thread Used	HT-5X51	HT-5X51	
Density (threads/inch)	-	-	
Thickness (mm)	0.62	0.62	
Weight per area (g/m ²)	100	100	
Tensile Strength (kgf/3cm)	2.4	3.4	
Tensile Elasticity (%)	77.4	79.9	

29

Part Number		HP-200	
Weaving System	Needle Punch		
	Vertical	Horizontal	
Thread Used	HT-5X51	HT-5X51	
Density (threads/inch)	-	-	
Thickness (mm)	1.38	1.38	
Weight per area (g/m ²)	200	200	
Tensile Strength (kgf/3cm)	12.4	14.4	
Tensile Elasticity (%)	78.5	71.8	

30

Part Number		HP-300	
Weaving System	Needle Punch		
	Vertical	Horizontal	
Thread Used	HT-5X51	HT-100d/1	
Density (threads/inch)	-	-	
Thickness (mm)	2.00	2.00	
Weight per area (g/m ²)	300	300	
Tensile Strength (kgf/3cm)	27.0	51.0	
Tensile Elasticity (%)	83.5	62.5	

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Kuraray America, Inc., **Vectran**[®] Division
460-E Greenway Industrial Dr.
Fort Mill, SC 29708
Tel 803-396-7351
Fax 803-547-5888