

MIL-R-6855/1  
16 February 1987

## MILITARY SPECIFICATION SHEET

### RUBBER, SYNTHETIC, SHEETS

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirement for procuring the sheets described herein shall consist of this document and the latest issue of specification MIL-R-6855.

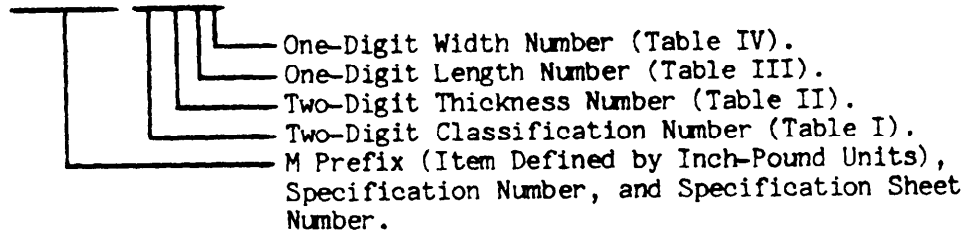
#### REQUIREMENTS:

##### Part Numbers:

Part numbers shall consist of the prefix M, specification number, and specification sheet number followed by a six-digit dash number assigned using Tables I, II, III, and IV herein as shown in the following example:

##### EXAMPLE:

M6855/1-XXXXXX



##### Dimensional Tolerances:

Tolerances of MIL-R-6855, Tables I and II, shall apply to sheet width and thickness respectively. Tolerance for sheet lengths shall be  $-0\%, +3\%$ .

##### Surface finish:

All synthetic rubber sheet surfaces shall be smooth and free from cloth imprint, pin holes, flash, or any other imperfections which may impair serviceability.

##### Physical properties:

Physical properties of Classes 1, 2, and 3 synthetic rubber sheets shall conform to MIL-R-6855, Table IV. Classes 4 and 5, synthetic rubber sheets shall conform to MIL-R-6855, Table V.

##### Quality Assurance:

Inspection and test of synthetic rubber sheets shall be in accordance with MIL-R-6855, Section 4, QUALITY ASSURANCE PROVISIONS.

FSC 4720, 5330, 9320

AMSC: N/A

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TABLE I TYPE, CLASS, GRADE		
Classification Number	Classification of Requirements	
01	CLASS 1	GRADE 30
02	CLASS 1	GRADE 40
03	CLASS 1	GRADE 50
04	CLASS 1	GRADE 60
05	CLASS 1	GRADE 70
06	CLASS 1	GRADE 80
07	TYPE A CLASS 2	GRADE 30
08	TYPE A CLASS 2	GRADE 40
09	TYPE A CLASS 2	GRADE 50
10	TYPE A CLASS 2	GRADE 60
11	TYPE A CLASS 2	GRADE 70
12	TYPE A CLASS 2	GRADE 80
13	TYPE B CLASS 2	GRADE 30
14	TYPE B CLASS 2	GRADE 40
15	TYPE B CLASS 2	GRADE 50
16	TYPE B CLASS 2	GRADE 60
17	TYPE B CLASS 2	GRADE 70
18	TYPE B CLASS 2	GRADE 80
19	CLASS 3	GRADE 30
20	CLASS 3	GRADE 40
21	CLASS 3	GRADE 50
22	CLASS 3	GRADE 60
23	CLASS 3	GRADE 70
24	CLASS 3	GRADE 80
25	TYPE A CLASS 4	GRADE 30
26	TYPE A CLASS 4	GRADE 40
27	TYPE A CLASS 4	GRADE 50
28	TYPE A CLASS 4	GRADE 60
29	TYPE A CLASS 4	GRADE 70
30	TYPE A CLASS 4	GRADE 80
31	TYPE B CLASS 4	GRADE 30
32	TYPE B CLASS 4	GRADE 40
33	TYPE B CLASS 4	GRADE 50
34	TYPE B CLASS 4	GRADE 60
35	TYPE B CLASS 4	GRADE 70
36	TYPE B CLASS 4	GRADE 80
37	CLASS 5	GRADE 30
38	CLASS 5	GRADE 40
39	CLASS 5	GRADE 50
40	CLASS 5	GRADE 60
41	CLASS 5	GRADE 70
42	CLASS 5	GRADE 80

TABLE II SHEET THICKNESS - T	
Sheet Thickness Number	T (Inches)
04	0.015
08	0.031
12	0.062
16	0.094
20	0.125
24	0.156
28	0.187
32	0.250
36	0.312
40	0.375
44	0.438
48	0.500
52	0.562
56	0.625
60	0.750
64	0.875
68	1.000
72	1.250
76	1.500

TABLE IV SHEET WIDTH - W	
Width Number	W (Inches)
1	12.000
3	18.000
5	24.000
7	36.000
9	40.000

TABLE III SHEET LENGTH - L	
Sheet Length Number	L (Inches)
1	24.000
2	36.000
3	48.000
4	60.000
5	72.000
6	120.000
7	144.000
8	300.000

INCH	MM
.015	.38
.031	.79
.062	1.57
.094	2.39
.125	3.18
.156	3.94
.187	4.75
.250	6.35
.312	7.92
.375	9.53
.438	11.13
.500	12.70
.562	14.27
.625	15.88
.750	19.05
.875	22.23
1.000	25.40
1.250	31.75
1.500	38.10
12.000	304.80
18.000	457.20
24.000	609.60
36.000	914.40
40.000	1016.00
48.000	1219.20
60.000	1524.00
72.000	1828.80
120.000	3048.00
144.000	3657.60
300.000	7620.00

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Use of this specification sheet for US Army Communications-Electronics Command is restricted to Class 4 and Class 5 synthetic rubber sheets.

Custodians:  
 Army - MR  
 Navy - AS  
 Air Force - 20

Preparing Activity:  
 Navy - AS

Agent  
 DLA-GS  
 (Project 9320-0473-01)

Review Activities:  
 Army - AR, AT, AV, CR, ER, MI  
 Air Force - 82, 99  
 Navy - QS, SH  
 DLA - CS, GS, IS

User Activity:  
 Army - CE  
 Navy - YD