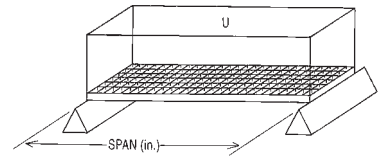


Additional Load Tables - Fibergrate® Molded Gratings



*These data are not published in our literature

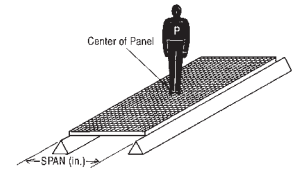
MOLDED GRATING UNIFORM LOAD TABLES - DEFLECTIONS IN INCHES												MAX RECOM. LOAD (psf)			ULTIMATE CAPACITY (psf)
CLEAR SPAN (in)	STYLE		LOAD (psf)									RESIN SYSTEM			
	DEPTH (in)	MESH (in x in)	50	65	100	150	200	300	500	1000	2000	ELS	FGI	Vi-Corr® Super Vi-Corr® XFR	
12	3/4	1x4	<.01	<.01	0.01	0.01	0.02	0.02	0.04	0.08	0.15	1350	2030	2030	
	3/4	1-1/2x1-1/2	<.01	<.01	0.01	0.02	0.02	0.04	0.06	0.12	--	1000	1500	1500	6000
	1	1x1	<.01	<.01	<.01	<.01	0.01	0.02	0.03	0.06	0.11	1360	1860	5110	10640
	1-1/8	1x1	<.01	<.01	<.01	<.01	0.01	0.02	0.03	0.06	0.11	1070	1470	4030	8400
	1-1/4	1-1/2x1-1/2	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	--	1110	1660	1660	6660
18	3/4	1x4	0.02	0.02	0.04	0.06	0.08	0.11	0.19	--	--	600	900	900	3610
	3/4	1-1/2x1-1/2	0.03	0.04	0.06	0.09	0.12	0.18	0.30	--	--	440	660	660	2660
	1	1x1	0.01	0.02	0.03	0.04	0.06	0.08	0.14	0.28	--	600	820	2270	4700
	1-1/8	1x1	0.01	0.02	0.03	0.04	0.05	0.08	0.13	0.25	--	470	650	1790	3700
	1-1/4	1-1/2x1-1/2	0.01	0.01	0.02	0.03	0.04	0.06	0.09	0.19	--	740	1110	1110	4440
24	3/4	1x4	0.06	0.08	0.12	0.18	0.24	0.36	--	--	--	330	500	500	2030
	3/4	1-1/2x1-1/2	0.09	0.12	0.18	0.28	0.37	--	--	--	--	250	370	370	1500
	1	1x1	0.04	0.05	0.08	0.12	0.16	0.24	0.41	--	--	340	460	1270	2600
	1-1/8	1x1	0.04	0.05	0.08	0.11	0.15	0.23	0.38	--	--	260	360	1000	2100
	1-1/4	1-1/2x1-1/2	0.03	0.04	0.06	0.09	0.11	0.17	0.29	--	--	440	660	660	2660
30	3/4	1x4	0.13	0.17	0.26	0.40	--	--	--	--	--	210	320	320	1300
	3/4	1-1/2x1-1/2	0.17	0.23	0.35	--	--	--	--	--	--	160	240	240	960
	1	1x1	0.10	0.13	0.20	0.30	0.40	--	--	--	--	210	290	810	1700
	1-1/8	1x1	0.09	0.12	0.18	0.27	0.36	--	--	--	--	170	230	640	1300
	1-1/4	1-1/2x1-1/2	0.08	0.10	0.15	0.23	0.30	0.46	--	--	--	280	420	420	1700
36	3/4	1x4	0.25	0.33	0.50	--	--	--	--	--	--	150	220	220	900
	3/4	1-1/2x1-1/2	0.39	--	--	--	--	--	--	--	--	110	160	160	660
	1	1x1	0.21	0.27	0.41	--	--	--	--	--	--	150	200	560	1100
	1-1/8	1x1	0.18	0.24	0.36	--	--	--	--	--	--	110	160	440	900
	1-1/4	1-1/2x1-1/2	0.14	0.18	0.28	0.42	--	--	--	--	--	190	290	290	1180
42	1	1x1	0.38	0.48	--	--	--	--	--	--	--	90	120	340	700
	1-1/8	1x1	0.34	0.44	--	--	--	--	--	--	--	80	120	320	600
	1-1/4	1-1/2x1-1/2	0.26	0.34	--	--	--	--	--	--	--	140	210	210	870
46	1-1/4	1-1/2x1-1/2	0.37	0.49	--	--	--	--	--	--	--	120	180	180	720

NOTE: 1. All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

2. For covered grating use a multiplier of 0.5. This is limited to gratings that are 1" - 2" depths. It is not recommended covering 3/4" or 1/2" gratings as they warp excessively.

3. Max recommended and ultimate loads do not change as a result of adding a 1/8" deep covered plate.

Additional Load Tables - Fibergrate® Molded Gratings



*These data are not published in our literature

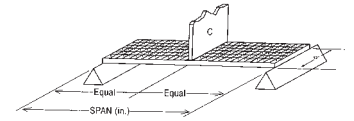
MOLDED GRATING CONCENTRATED POINT LOAD TABLES - DEFLECTIONS IN INCHES									
CLEAR SPAN (in)	STYLE		LOAD (lb)						
	DEPTH (in)	MESH (in x in)	50	100	200	300	500	1000	2000
24	1-1/4	1-1/2x1-1/2	<.01	0.01	0.03	0.04	0.07	--	--
30	1-1/4	1-1/2x1-1/2	0.01	0.03	0.05	0.08	0.13	--	--
36	1-1/4	1-1/2x1-1/2	0.02	0.03	0.07	0.10	0.16	--	--
42	1-1/4	1-1/2x1-1/2	0.03	0.06	0.11	0.17	0.28	--	--
46	1-1/4	1-1/2x1-1/2	0.04	0.07	0.15	0.22	0.37	--	--

NOTE: 1. All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).

2. For covered grating use a multiplier of 0.5. This is limited to gratings that are 1" - 2" depths. It is not recommended covering 3/4" or 1/2" gratings as they warp excessively.

3. Max recommended and ultimate loads do not change as a result of adding a 1/8" deep covered plate.

Additional Load Tables - Fibergrate® Molded Gratings



*These data are not published in our literature

MOLDED GRATING CONCENTRATED LINE LOAD TABLES -DEFLECTIONS IN INCHES										MAX RECOM. LOAD (psf)			ULTIMATE CAPACITY (psf)
CLEAR SPAN	STYLE		LOAD (lb/ft of width)							RESIN SYSTEM			
	DEPTH	MESH								CORVEX®		Vi-Corr®	
(in)	(in)	(in x in)	50	100	200	300	500	1000	2000	ELS	FGI	XFR	
12	3/4	1x4	<.01	0.01	0.02	0.04	0.06	0.12	--	670	1010	1010	4060
	3/4	1-1/2x1-1/2	0.01	0.02	0.04	0.06	0.10	--	--	500	750	750	3000
	1	1x1	<.01	<.01	0.02	0.03	0.05	0.09	0.18	680	930	2550	5320
	1-1/8	1x1	<.01	<.01	0.02	0.03	0.05	0.09	0.18	530	730	2010	4200
	1-1/4	1-1/2x1-1/2	<.01	<.01	0.01	0.02	0.03	0.06	--	1110	1660	1660	6660
18	3/4	1x4	0.02	0.04	0.08	0.12	0.20	--	--	450	670	670	2710
	3/4	1-1/2x1-1/2	0.03	0.06	0.13	0.19	0.32	--	--	330	500	500	2000
	1	1x1	0.02	0.03	0.06	0.09	0.15	0.30	--	450	620	1700	3540
	1-1/8	1x1	0.01	0.03	0.05	0.08	0.14	0.27	--	350	490	1340	2800
	1-1/4	1-1/2x1-1/2	0.01	0.02	0.04	0.06	0.10	--	--	540	810	810	3240
24	3/4	1x4	0.05	0.09	0.19	0.28	0.47	--	--	330	500	500	2030
	3/4	1-1/2x1-1/2	0.07	0.15	0.30	0.44	--	--	--	250	370	370	1500
	1	1x1	0.03	0.07	0.13	0.20	0.33	--	--	340	460	1270	2660
	1-1/8	1x1	0.03	0.06	0.12	0.18	0.30	--	--	260	360	1000	2100
	1-1/4	1-1/2x1-1/2	0.02	0.05	0.09	0.14	0.23	--	--	460	690	690	2760
30	3/4	1x4	0.08	0.17	0.34	--	--	--	--	270	400	400	1620
	3/4	1-1/2x1-1/2	0.11	0.22	0.45	--	--	--	--	200	300	300	1200
	1	1x1	0.06	0.13	0.25	0.38	--	--	--	270	370	1020	2120
	1-1/8	1x1	0.06	0.12	0.23	0.35	--	--	--	210	290	800	1680
	1-1/4	1-1/2x1-1/2	0.05	0.10	0.19	0.29	0.49	--	--	350	530	530	2130
36	3/4	1x4	0.13	0.27	--	--	--	--	--	220	330	330	1350
	3/4	1-1/2x1-1/2	0.21	0.42	--	--	--	--	--	160	250	250	1000
	1	1x1	0.11	0.22	0.44	--	--	--	--	220	310	850	1770
	1-1/8	1x1	0.10	0.19	0.39	--	--	--	--	170	240	670	1400
	1-1/4	1-1/2x1-1/2	0.07	0.15	0.30	0.45	--	--	--	290	440	440	1770
42	1	1x1	0.17	0.35	--	--	--	--	--	190	260	730	1520
	1-1/8	1x1	0.15	0.31	--	--	--	--	--	150	210	570	1200
	1-1/4	1-1/2x1-1/2	0.12	0.24	0.48	--	--	--	--	250	380	380	1520
46	1-1/4	1-1/2x1-1/2	0.16	0.31	--	--	--	--	--	230	340	340	1390
48	1	1x1	0.26	--	--	--	--	--	--	170	230	630	1330
	1-1/8	1x1	0.23	0.46	--	--	--	--	--	130	180	500	1050

- NOTE:** 1. All gratings were tested in accordance with the proposed standard of the Fiberglass Grating Manufacturers Council of the American Composites Manufacturers Association (ACMA).
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