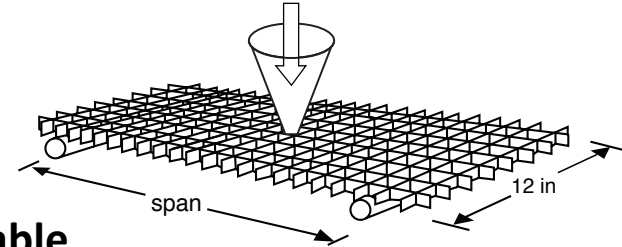


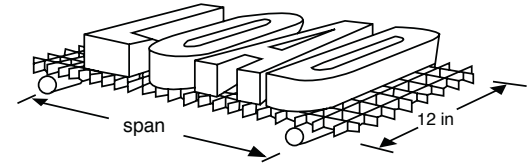
Molded Grating Load Table

Concentrated Line Load Deflection													
Deflection in inches													
Span (in)	Depth (in)	Mesh (in)	Load (in pounds)							Max Recommended Load (psf)			Ultimate Capacity (psf)
			50	100	200	300	500	1000	2000	GP Resin	Poly Resin	VE Resin	
12	1	1x4	<0.01	0.01	0.02	0.02	0.04	0.08	--	1,180	1,180	2,310	5,350
	1	1.5x1.5	<0.01	0.01	0.03	0.04	0.06	0.13	--	790	790	1,540	3,560
	1.5	1.5x1.5	<0.01	<0.01	0.01	0.02	0.03	0.05	0.11	1,030	1,410	3,850	8,000
18	1	1x4	0.01	0.02	0.05	0.07	0.12	0.23	--	780	780	1,540	3,560
	1	1.5x1.5	0.02	0.04	0.08	0.12	0.20	0.41	--	520	520	1,020	2,370
	1.5	1.5x1.5	0.01	0.02	0.03	0.05	0.08	0.15	0.30	880	940	2,560	5,330
24	1	1x4	0.03	0.06	0.12	0.18	0.30	--	--	590	590	1,150	2,670
	1	1.5x1.5	0.05	0.10	0.20	0.30	0.49	--	--	390	390	770	1,780
	1.5	1.5x1.5	0.02	0.03	0.07	0.10	0.17	0.33	--	510	700	1,920	4,000
30	1	1x4	0.05	0.11	0.22	0.32	--	--	--	470	470	920	2,140
	1	1.5x1.5	0.09	0.18	0.35	--	--	--	--	310	310	610	1,420
	1.5	1.5x1.5	0.03	0.06	0.12	0.18	0.29	--	--	410	560	1,540	3,200
36	1	1x4	0.09	0.17	0.34	--	--	--	--	390	390	770	1,780
	1	1.5x1.5	0.16	0.33	--	--	--	--	--	260	260	510	1,180
	1.5	1.5x1.5	0.05	0.11	0.21	0.32	--	--	--	340	470	1,280	2,660
42	1	1x4	0.15	0.30	--	--	--	--	--	330	330	660	1,520
	1	1.5x1.5	0.23	0.45	--	--	--	--	--	220	220	440	1,010
	1.5	1.5x1.5	0.08	0.16	0.32	0.47	--	--	--	290	400	1,100	2,280
46	1	1x4	0.20	0.40	--	--	--	--	--	300	300	600	1,390
	1	1.5x1.5	0.32	--	--	--	--	--	--	200	200	400	900
48	1.5	1.5x1.5	0.11	0.23	0.45	--	--	--	--	250	350	960	2,000
54	1.5	1.5x1.5	0.15	0.30	--	--	--	--	--	230	310	850	1,770



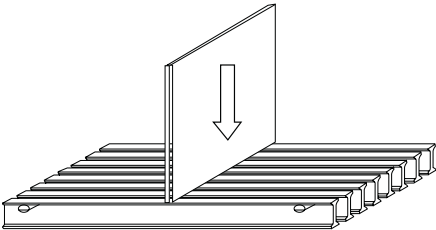
Molded Grating Load Table

Concentrated Point Load Deflection									
Deflection in inches									
Span (in)	Depth (in)	Mesh (in)	Load (in pounds)						
			50	100	200	300	500	1000	2000
18	1	1x4	<0.01	0.01	0.02	0.03	0.06	0.11	0.22
	1	1.5x1.5	<0.01	0.01	0.03	0.04	0.07	0.14	0.27
	1.5	1.5x1.5	<0.01	<0.01	0.01	0.02	0.03	0.06	0.13
24	1	1x4	0.01	0.02	0.05	0.07	0.12	0.24	0.49
	1	1.5x1.5	0.01	0.03	0.05	0.08	0.13	0.26	---
	1.5	1.5x1.5	<0.01	0.01	0.02	0.03	0.06	0.12	0.23
30	1	1x4	0.02	0.05	0.09	0.14	0.23	0.45	---
	1	1.5x1.5	0.03	0.05	0.10	0.15	0.26	---	---
	1.5	1.5x1.5	0.01	0.02	0.04	0.06	0.10	0.20	---
36	1	1x4	0.04	0.07	0.14	0.21	0.35	---	---
	1	1.5x1.5	0.03	0.07	0.14	0.20	0.34	---	---
	1.5	1.5x1.5	0.02	0.03	0.06	0.09	0.15	0.30	---
42	1	1x4	0.05	0.11	0.21	0.32	---	---	---
	1	1.5x1.5	0.06	0.12	0.23	0.35	---	---	---
	1.5	1.5x1.5	0.02	0.04	0.09	0.13	0.22	0.44	---
46	1	1x4	0.07	0.13	0.26	0.39	---	---	---
	1	1.5x1.5	0.07	0.14	0.28	0.42	---	---	---
48	1.5	1.5x1.5	0.03	0.06	0.12	0.18	0.29	---	---
54	1.5	1.5x1.5	0.04	0.07	0.15	0.22	0.37	---	---
58	1.5	1.5x1.5	0.04	0.08	0.17	0.25	0.42	---	---



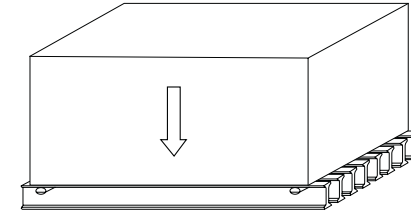
Molded Grating Load Table

Uniform Load Deflection															
Deflection in inches															
Span (in)	Depth (in)	Mesh (in)	Load (in pounds)									Max Recommended Load (psf)			Ultimate Capacity (psf)
			50	65	100	150	200	300	500	1000	2000	GP Resin	Poly Resin	VE Resin	
12	1	1x4	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.05	0.09	2,360	2,360	4,620	10,150
	1	1.5x1.5	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.04	0.08	0.16	1,580	1,580	3,080	6,770
	1.5	1.5x1.5	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02	0.04	0.07	2,060	2,830	7,700	10,420
18	1	1x4	0.01	0.01	0.02	0.03	0.04	0.07	0.11	0.22	0.44	1,050	1,050	2,050	4,750
	1	1.5x1.5	0.02	0.02	0.04	0.06	0.08	0.11	0.20	0.38	--	700	700	1,370	3,170
	1.5	1.5x1.5	<0.01	<0.01	0.01	0.02	0.03	0.04	0.07	0.14	0.28	910	1,250	3,420	6,940
24	1	1x4	0.04	0.05	0.07	0.11	0.15	0.22	0.37	--	--	590	590	1,150	2,670
	1	1.5x1.5	0.06	0.08	0.12	0.19	0.25	0.37	--	--	--	390	390	770	1,780
	1.5	1.5x1.5	0.02	0.03	0.04	0.06	0.06	0.12	0.21	0.42	--	510	700	1,920	4,000
30	1	1x4	0.08	0.11	0.17	0.26	0.34	--	--	--	--	370	370	740	1,710
	1	1.5x1.5	0.14	0.18	0.27	0.41	--	--	--	--	--	250	250	490	1,140
	1.5	1.5x1.5	0.05	0.06	0.09	0.14	0.18	0.27	0.46	--	--	330	450	1,230	2,560
36	1	1x4	0.16	0.21	0.32	0.49	--	--	--	--	--	260	260	510	1,180
	1	1.5x1.5	0.31	0.40	--	--	--	--	--	--	--	170	170	340	790
	1.5	1.5x1.5	0.10	0.13	0.20	0.30	0.40	--	--	--	--	230	310	850	1,770
42	1	1x4	0.33	0.43	--	--	--	--	--	--	--	190	190	370	870
	1	1.5x1.5	0.49	--	--	--	--	--	--	--	--	120	120	250	580
	1.5	1.5x1.5	0.17	0.22	0.34	--	--	--	--	--	--	160	230	620	1,300
46	1	1x4	0.48	--	--	--	--	--	--	--	--	160	160	310	720
48	1.5	1.5x1.5	0.28	0.37	--	--	--	--	--	--	--	120	170	480	1,000
54	1.5	1.5x1.5	0.42	--	--	--	--	--	--	--	--	100	140	380	790



Pultruded Grating Load Table

Concentrated Line Load Deflection for I-Beam												
Deflection in inches												
Span (in)	Style	Depth (in)	Open Area	Load (in pounds)							Max Recommended Load (psf)	Ultimate Capacity (psf)
				50	100	200	300	500	1000	2000		
12	I-6010	1	60%	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.03	0.06	3,570	7,140
	I-6015	1.5	60%	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.02	7,620	15,240
18	I-6010	1	60%	< 0.01	0.01	0.02	0.03	0.04	0.09	0.17	3,390	6,780
	I-6015	1.5	60%	< 0.01	< 0.01	< 0.01	0.01	0.02	0.03	0.06	7,370	14,740
24	I-6010	1	60%	0.01	0.02	0.04	0.06	0.09	0.19	0.38	2,840	5,680
	I-6015	1.5	60%	< 0.01	< 0.01	0.01	0.02	0.03	0.07	0.14	4,880	9,760
30	I-6010	1	60%	0.02	0.03	0.07	0.10	0.17	0.35	---	2,300	4,600
	I-6015	1.5	60%	< 0.01	0.01	0.03	0.04	0.06	0.13	0.26	4,500	9,000
36	I-6010	1	60%	0.03	0.06	0.11	0.17	0.28	---	---	1,970	3,940
	I-6015	1.5	60%	0.01	0.02	0.04	0.06	0.10	0.20	0.40	3,750	7,500
42	I-6010	1	60%	0.04	0.08	0.17	0.25	0.42	---	---	1,670	3,340
	I-6015	1.5	60%	0.02	0.03	0.06	0.10	0.16	0.32	---	3,220	6,440
48	I-6010	1	60%	0.06	0.11	0.23	0.34	---	---	---	1,440	2,880
	I-6015	1.5	60%	0.02	0.05	0.09	0.14	0.23	0.46	---	2,810	5,620
54	I-6010	1	60%	0.09	0.18	0.36	---	---	---	---	1,280	2,560
	I-6015	1.5	60%	0.03	0.07	0.14	0.21	0.35	---	---	2,500	5,000
60	I-6010	1	60%	0.13	0.27	---	---	---	---	---	1,150	2,300
	I-6015	1.5	60%	0.05	0.10	0.20	0.30	0.49	---	---	2,250	4,500
72	I-6010	1	60%	0.26	---	---	---	---	---	---	960	1,920
	I-6015	1.5	60%	0.09	0.18	0.36	---	---	---	---	1,880	3,760



Pultruded Grating Load Table

Uniform Load Deflection for I-Beam												
Deflection in inches												
Span (in)	Style	Depth (in)	Open Area	Load (in pounds)							Max Recommended Load (psf)	Ultimate Capacity (psf)
				50	100	200	300	500	1000	2000		
12	I-6010	1	60%	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.02	0.04	3,570	7,140
	I-6015	1.5	60%	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	0.02	7,620	15,240
18	I-6010	1	60%	< 0.01	0.01	0.02	0.02	0.04	0.08	0.16	2,260	4,520
	I-6015	1.5	60%	< 0.01	< 0.01	< 0.01	0.01	0.02	0.03	0.06	4,910	9,820
24	I-6010	1	60%	0.01	0.02	0.05	0.07	0.12	0.24	---	1,690	3,380
	I-6015	1.5	60%	< 0.01	0.01	0.02	0.03	0.04	0.09	0.17	3,190	6,380
30	I-6010	1	60%	0.03	0.05	0.11	0.16	0.27	---	---	1,370	2,740
	I-6015	1.5	60%	0.01	0.02	0.04	0.06	0.10	0.20	0.41	2,950	5,900
36	I-6010	1	60%	0.05	0.10	0.21	0.31	---	---	---	1,180	2,360
	I-6015	1.5	60%	0.02	0.04	0.08	0.11	0.19	0.38	---	2,460	4,920
42	I-6010	1	60%	0.09	0.19	0.37	---	---	---	---	950	1,900
	I-6015	1.5	60%	0.04	0.07	0.14	0.21	0.35	---	---	1,840	3,680
48	I-6010	1	60%	0.14	0.29	---	---	---	---	---	720	1,440
	I-6015	1.5	60%	0.06	0.11	0.23	0.34	---	---	---	1,410	2,820
54	I-6010	1	60%	0.25	---	---	---	---	---	---	570	1,140
	I-6015	1.5	60%	0.10	0.19	0.39	---	---	---	---	1,110	2,220
60	I-6010	1	60%	0.42	---	---	---	---	---	---	460	920
	I-6015	1.5	60%	0.15	0.31	---	---	---	---	---	900	1,800
72	I-6015	1.5	60%	0.34	---	---	---	---	---	---	630	1,260