



GRATING PACIFIC

MOLDED FIBERGLASS GRATING LOAD TABLES

1" Deep Square Mesh									
Clear Span (Inches)	Uniform, Concentrated & Point Loads Deflection in Inches Load = Lbs. / Sq. Ft.								Ultimate Capacity
		50	100	200	300	500	1000	2000	
12"	ΔU	<.01	<.01	<.01	.02	.04	.08	.16	7120
	ΔC	.02	.04	.08	.12	.20	.41	—	2370
18"	ΔU	.02	.04	.08	.11	.20	.38	—	3170
	ΔC	.02	.04	.08	.12	.20	.41	—	3560
	ΔP	<.01	.01	.03	.04	.07	.14	.27	—
24"	ΔU	.06	.12	.25	.37	—	—	—	1780
	ΔC	.05	.10	.20	.30	.49	—	—	2670
	ΔP	.01	.03	.05	.08	.13	.26	—	—
30"	ΔU	.14	.27	—	—	—	—	—	1140
	ΔC	.09	.18	.35	.53	.88	—	—	2140
	ΔP	.03	.05	.10	.15	.26	—	—	—
36"	ΔU	.31	.62	1.24	1.85	—	—	—	790
	ΔC	.16	.33	.66	.99	1.65	—	—	1780
	ΔP	.03	.07	.14	.20	.34	—	—	—
42"	ΔU	.49	—	—	—	—	—	—	580
	ΔC	.23	.45	.90	1.35	—	—	—	1520
	ΔP	.06	.12	.23	.35	—	—	—	—

* Also represents load data for Micro-Mesh 1" deep x 3/4" Square Mesh.

1" Deep Rectangular Mesh									
Clear Span (Inches)	Uniform, Concentrated & Point Loads Deflection in Inches Load = Lbs. / Sq. Ft.								Ultimate Capacity
		50	100	200	300	500	1000	2000	
12"	ΔU	<.01	<.01	<.01	.01	.02	.05	.09	10700
	ΔC	<.01	.02	.05	.07	.11	.23	—	3560
18"	ΔU	.01	.02	.04	.07	.11	.22	.44	4750
	ΔC	.01	.02	.05	.07	.12	.23	—	3560
	ΔP	<.01	.01	.02	.03	.06	.11	.22	—
24"	ΔU	.04	.07	.15	.22	.37	—	—	2670
	ΔC	.03	.06	.12	.18	.30	.59	—	2670
	ΔP	.01	.02	.05	.07	.12	.24	.49	—
30"	ΔU	.08	.17	.34	—	—	—	—	1710
	ΔC	.05	.11	.22	.32	.54	—	—	2140
	ΔP	.02	.05	.09	.14	.23	.45	—	—
36"	ΔU	.16	.32	—	—	—	—	—	1180
	ΔC	.09	.17	.34	.52	.86	—	—	1780
	ΔP	.04	.07	.14	.21	.35	—	—	—
42"	ΔU	.33	—	—	—	—	—	—	870
	ΔC	.15	.30	.60	.90	1.51	—	—	1520
	ΔP	.05	.11	.21	.32	—	—	—	—

1-1/2" Deep Square Mesh									
Clear Span (Inches)	Uniform, Concentrated & Point Loads Deflection in Inches Load = Lbs. / Sq. Ft.								Ultimate Capacity
		50	100	200	300	500	1000	2000	
12"	ΔU	<.01	<.01	<.01	.01	.02	.04	.07	16000
	ΔC	<.01	<.01	.01	.02	.03	.05	.11	8000
18"	ΔU	.01	.01	.03	.04	.07	.14	.28	7100
	ΔC	.01	.02	.03	.05	.08	.15	.30	5330
	ΔP	<.01	<.01	.01	.02	.03	.06	.13	—
24"	ΔU	.02	.04	.08	.12	.21	.42	—	4000
	ΔC	.02	.03	.07	.10	.17	.33	—	4000
	ΔP	<.01	.01	.02	.03	.06	.12	.23	—
30"	ΔU	.05	.09	.18	.27	.46	—	—	2560
	ΔC	.03	.06	.12	.18	.29	.59	—	3200
	ΔP	.01	.02	.04	.06	.10	.20	—	—
36"	ΔU	.10	.20	.40	—	—	—	—	1770
	ΔC	.05	.11	.21	.32	.53	1.06	—	2660
	ΔP	.02	.03	.06	.09	.15	.30	—	—
42"	ΔU	.17	.34	—	—	—	—	—	1300
	ΔC	.08	.16	.32	.47	.79	1.58	—	2280
	ΔP	.02	.04	.09	.13	.22	.44	—	—
48"	ΔU	.28	—	—	—	—	—	—	1000
	ΔC	.11	.23	.45	.68	1.13	—	—	2000
	ΔP	.03	.06	.12	.18	.29	—	—	—

* Also represents load data for Micro-Mesh 1-1/2" deep x 3/4" Square Mesh.

2" Deep Square Mesh									
Clear Span (Inches)	Uniform, Concentrated & Point Loads Deflection in Inches Load = Lbs. / Sq. Ft.								Ultimate Capacity
		50	100	200	300	500	1000	2000	
12"	ΔU	<.01	<.01	<.01	<.01	.01	.02	.04	19240
	ΔC	<.01	<.01	<.01	.01	.02	.03	.06	9620
24"	ΔU	.01	.02	.04	.06	.10	.20	—	5220
	ΔC	.01	.02	.03	.05	.08	.16	—	5220
	ΔP	<.01	<.01	.01	.02	.04	.07	.14	—
30"	ΔU	.02	.05	.09	.14	.26	.45	—	3340
	ΔC	.01	.03	.06	.09	.14	.29	—	4000
	ΔP	<.01	.01	.02	.03	.06	.12	.23	—
36"	ΔU	.04	.09	.18	.26	.44	—	—	2320
	ΔC	.02	.05	.09	.14	.23	.47	—	3480
	ΔP	<.01	.01	.03	.04	.07	.15	.29	—
42"	ΔU	.08	.16	.32	.47	—	—	—	1700
	ΔC	.04	.07	.14	.22	.36	—	—	2980
	ΔP	.01	.02	.05	.08	.12	.25	.50	—
48"	ΔU	.14	.28	—	—	—	—	—	1300
	ΔC	.06	.11	.22	.33	.56	—	—	2610
	ΔP	.01	.03	.06	.09	.15	.30	—	—
54"	ΔU	.21	.42	—	—	—	—	—	1030
	ΔC	.07	.15	.30	.45	.75	—	—	2320
60"	ΔU	.37	—	—	—	—	—	—	830
	ΔC	.12	.23	.47	—	—	—	—	2090