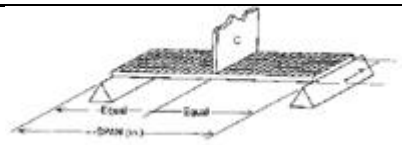
RESIN SYSTEM

Resin Type	Resin Base	Description	Corrosion Resistance	Standard Color	Max Temp.
VEFR-25	Vinyl Ester	Superior Corrosion Resistance and Fire Retardant	Excellent	Orange	82℃
VEFR-10	Vinyl Ester	Superior Corrosion Resistance and Fire Retardant	Excellent	Dark Grey	82℃
IFR-25	Isophthalic Polyester	Industrial Grade Corrosion Resistance and Fire Rertardant	Very Good	Green	65℃
IFR-10	Isophthalic Polyester	Industrial Grade Corrosion Resistance and High Fire Rertardant	Very Good	Dark Grey	65℃
OFR-25	Orthophtalic Polyester	Moderate Corrosion Resistance and Fire Retardant	Moderate	Yellow, Dark Grey	65℃
OFR-10	Orthophtalic Polyester	Moderate Corrosion Resistance and Fire Retardant	Moderate	Yellow, Dark Grey	65℃
FG-30	Food Grade	Moderate Corrosion Resistance	Moderate	Light Grey	65℃
MP-5	Phenolic	Low Smoke and Superior Fire Retardant	Very good	Chocolate Brown	150℃

MOLDED GRATING CONCENTRATED LINE LOAD TABLES

MOLDED GRATING CONCENTRATED LINE LOAD TABLES

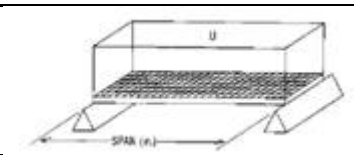


Span (mm)	Type		Load kg/m of width							Max Load (kg/m)
	Height (mm)	Mesh (mm)	75	150	300	450	600	750	1500	
300	25	19x19/38x38	< 0.25	0.26	0.47	0.71	1.05	1.41	2.95	10916
	38		< 0.25	< 0.25	0.36	0.45	0.58	0.69	1.41	19373
	30	20x20/40x40	< 0.25	0.26	0.49	0.74	1.26	1.57	3.13	10696
	40		/	/	0.26	0.49	0.61	0.71	1.44	18711
	38	26x26/52x52	< 0.25	< 0.25	0.38	0.56	0.73	0.85	1.73	16745
	50	25x25/50x50	/	< 0.25	0.28	0.43	0.58	0.66	1.33	23877
450	25	19x19/38x38	0.27	0.47	0.94	1.39	1.93	2.41	5.02	5311
	38		< 0.25	0.42	0.82	1.21	1.65	2.08	4.24	14688
	30	20x20/40x40	0.26	0.48	0.96	1.46	1.91	2.49	5.12	5206
	40		/	0.43	0.83	1.24	1.68	2.13	4.36	13631
	38	26x26/52x52	< 0.25	0.51	0.93	1.34	1.92	2.6	5.34	12685
	50	25x25/50x50	< 0.25	0.39	0.69	0.85	1.12	2.04	4.26	18103
600	25	19x19/38x38	0.49	1.2	2.16	3.34	4.39	5.45	/	4498
	38		0.32	0.58	1.12	1.69	2.27	2.84	5.76	9867
	30	20x20/40x40	0.47	1.17	2.07	3.22	4.29	5.33	9.41	4289
	40		0.34	0.61	1.16	1.71	2.26	3.06	6.21	9135
	38	26x26/52x52	0.41	0.72	1.32	2.05	2.57	3.18	6.43	8529
	50	25x25/50x50	0.32	0.53	0.98	1.62	2.02	2.38	4.93	12161
750	25	19x19/38x38	1.2	2.45	4.52	6.81	10.06	/	/	3493
	38		0.56	1.02	1.94	2.98	3.88	5.02	10.87	8227
	30	20x20/40x40	1.14	2.31	4.34	6.58	9.99	/	/	3158
	40		0.59	1.07	2.11	3.05	3.83	4.96	10.83	7492
	38	26x26/52x52	0.58	1.21	2.14	3.19	4.21	5.47	10.96	7114
	50	25x25/50x50	0.42	0.84	1.45	2.15	3.17	4.21	8.48	10131
	25		1.68	3.63	7.09	10.54	/	/	/	2907

900	38	19x19/38x38	0.77	1.59	3.31	5.16	6.75	8.29	14.58	6568
	30	20x20/40x40	1.66	3.48	6.89	10.32	/	/	/	2686
	40		0.83	1.63	3.31	5.12	6.82	8.74	/	6093
	38	26x26/52x52	0.84	1.89	3.82	4.89	5.83	6.95	14.08	5701
	50	25x25/50x50	0.47	1.54	3.13	4.01	4.84	5.71	11.64	8246
1200	25	19x19/38x38	3.31	7.21	13.06	/	/	/	/	1424
	38		2.11	4.23	8.81	13.31	/	/	/	4249
	30	20x20/40x40	3.21	7.01	12.93	/	/	/	/	1362
	40		2.12	4.52	8.89	13.51	/	/	/	3801
	38	26x26/52x52	1.89	3.87	7.84	9.87	11.92	/	/	3784
	50	25x25/50x50	1.54	3.14	6.39	8.03	9.68	12.21	/	6289

MOLDED GRATING UNIFORM LOAD TABLES

MOLDED GRATING UNIFORM LOAD TABLES

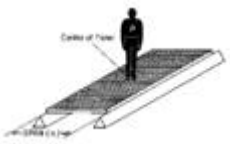


Span (mm)	Type		Load kg/m^2							Max Load (kg/m^2)
	Height (mm)	Mesh (mm)	150	350	500	750	1000	1500	2500	
300	25	19x19/38x38	< 0.25	0.32	0.42	0.63	0.82	1.23	2.05	5653
	38		< 0.25	< 0.25	0.28	0.41	0.54	0.81	1.35	8593
	30	20x20/40x40	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.25	0.51	34037
	40		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.38	35383
	38	26x26/52x52	< 0.25	< 0.25	< 0.25	< 0.25	0.28	0.37	0.50	41521
	50	25x25/50x50	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.37	59818
450	25	19x19/38x38	< 0.25	0.47	0.63	0.94	0.23	1.85	3.08	3769
	38		< 0.25	0.31	0.41	0.62	0.81	1.22	2.03	5729
	30	20x20/40x40	< 0.25	0.31	0.50	0.75	0.98	1.47	2.19	22343
	40		< 0.25	< 0.25	0.37	0.56	0.73	1.11	1.64	29790
	38	26x26/52x52	< 0.25	0.28	0.39	0.58	0.76	1.14	1.70	27255
	50	25x25/50x50	< 0.25	< 0.25	0.28	0.42	0.55	0.84	1.24	37297
600	25	19x19/38x38	0.58	1.33	1.92	2.87	3.73	5.59	9.32	1636
	38		0.38	0.88	1.26	1.89	2.45	3.68	6.13	2487
	30	20x20/40x40	0.78	0.99	1.47	2.19	2.67	4.13	7.06	13388
	40		0.59	0.74	1.11	1.64	2.00	3.10	5.30	17851
	38	26x26/52x52	0.61	0.77	1.14	1.70	2.07	6.05	7.91	16332
	50	25x25/50x50	0.45	0.56	0.84	1.24	1.52	4.42	5.78	22348
750	25	19x19/38x38	0.73	1.66	2.40	3.59	4.66	6.99	11.65	1091
	38		0.48	1.09	1.58	2.36	3.07	4.60	7.66	1658
	30	20x20/40x40	1.02	2.43	3.65	5.47	7.29	/	/	8557
	40		0.77	1.82	2.73	4.10	5.47	8.16	/	11409
	38	26x26/52x52	0.80	1.89	2.83	4.25	8.39	/	/	10438
	50	25x25/50x50	0.58	1.38	2.07	3.10	6.13	8.71	/	14284
900	25	19x19/38x38	2.89	7.01	9.23	/	/	/	/	477
	38		1.90	4.61	6.07	9.03	/	/	/	725
	30	20x20/40x40	2.05	4.38	6.8	10.21	/	/	/	5939
	40		1.54	3.29	5.10	7.65	10.08	/	/	7919

	38	26x26/52x52	1.59	3.40	5.28	7.93	10.52	/	/	7245
	50	25x25/50x50	1.16	2.49	3.86	5.79	7.69	9.46	/	9914
1200	25	19x19/38x38	3.85	9.35	12.31	/	/	/	/	360
	38		2.53	6.15	8.10	12.09	/	/	/	547
	30	20x20/40x40	5.66	7.89	11.27	/	/	/	/	3499
	40		4.24	5.92	8.45	12.37	/	/	/	4665
	38	26x26/52x52	4.39	6.13	8.75	11.82	/	/	/	4268
	50	25x25/50x50	3.21	4.48	6.40	8.64	11.39	/	/	5841

MOLDED GRATING CONCENTRATED POINT LOAD TABLES

MOLDED GRATING CONCENTRATED POINT LOAD TABLES



Span (mm)	Style		Load kg							
	Height (mm)	Mesh (mm)	150	350	500	750	1000	1500	2500	3000
300	25	19x19/38x38	/	0.29	0.39	0.68	0.90	1.17	1.85	2.29
	38		/	/	0.31	0.54	0.72	0.93	1.48	1.82
	30	20x20/40x40	/	0.33	0.45	0.78	1.03	1.34	2.12	2.62
	40		/	0.25	0.33	0.58	0.77	1.00	1.59	1.97
	38	26x26/52x52	/	0.48	0.63	0.99	1.41	1.91	3.13	/
	50	25x25/50x50	/	0.34	0.45	0.70	1.00	1.36	2.22	2.67
450	25	19x19/38x38	0.39	0.47	0.64	1.11	1.47	1.91	3.02	3.74
	38		/	0.38	0.52	0.90	1.20	1.55	2.46	3.04
	30	20x20/40x40	0.38	0.50	0.67	1.17	1.55	2.01	3.18	3.93
	40		0.25	0.37	0.50	0.87	1.16	1.51	2.39	2.95
	38	26x26/52x52	0.39	0.81	1.05	1.65	2.35	3.18	5.22	/
	50	25x25/50x50	0.25	0.51	0.67	1.06	1.50	2.03	3.34	4.01
600	25	19x19/38x38	0.53	1.11	1.44	2.27	3.23	4.37	7.17	/
	38		0.43	0.90	1.17	1.85	2.63	3.56	5.93	/
	30	20x20/40x40	0.56	1.17	1.52	2.39	3.40	4.60	7.55	/
	40		0.42	0.87	1.14	1.79	2.55	3.45	5.66	/
	38	26x26/52x52	0.57	1.19	1.55	2.45	3.48	4.71	7.73	/
	50	25x25/50x50	0.36	0.76	0.99	1.57	2.22	3.01	4.94	5.93
750	25	19x19/38x38	0.90	2.10	2.70	4.28	6.28	8.47	/	/
	38		0.73	1.71	2.20	3.48	5.11	6.93	/	/
	30	20x20/40x40	0.95	2.21	2.84	4.50	6.61	8.92	/	/
	40		0.71	1.66	2.13	3.38	4.96	6.69	10.23	/
	38	26x26/52x52	0.97	2.26	2.91	4.61	6.77	9.15	/	/
	50	25x25/50x50	0.62	1.45	1.86	2.95	4.33	5.85	9.12	/
900	25	19x19/38x38	1.27	3.09	3.95	6.29	9.33	/	/	/
	38		1.03	2.51	3.22	5.12	7.59	10.30	/	/
	30	20x20/40x40	1.34	3.25	4.16	6.62	9.82	/	/	/
	40		1.00	2.44	3.12	4.97	7.36	9.94	/	/
	38	26x26/52x52	1.37	3.33	4.26	6.78	10.05	/	/	/
	50	25x25/50x50	0.88	2.13	2.72	4.34	6.43	9.34	/	/
	25	19x19/38x38	2.11	5.30	7.41	10.76	13.45	/	/	/
			1.72	4.31	6.03	8.76	12.87	/	/	/

	38									
1200	30	20x20/40x40	2.22	5.58	7.80	11.32	/	/	/	/
	40		1.66	4.18	5.85	8.49	11.32	/	/	/
	38	26x26/52x52	2.27	5.71	7.99	11.55	15.47	/	/	/
	50	25x25/50x50	1.45	3.65	5.11	7.41	9.89	14.34	/	/