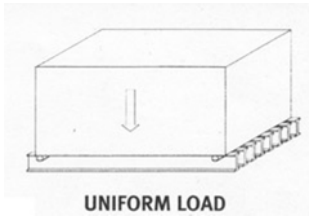


# SATYAM COMPOSITES PVT. LTD.

Survey No.38, Nr, G.I.D.C Estate, Por - Ramangamdi Road,  
Vadodara – 391243, Gujarat, India.

**Manufacturers of: FRP/GRP Cable Trays, Gratings, Trefoil Clamps, GRP poles  
& Other FRP Pultruded Sections**

## MECHANICAL PROPERTIES



### UNIFORMLY DISTRIBUTED LOAD OF FRP GRATING

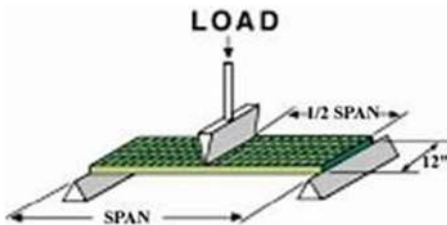
MESH TYPE mm x mm	THICKNESS mm	DISTANCE BETWEEN SUPPORTS								
			400 mm	500 mm	600 mm	800 mm	1000 mm	1200 mm	1400 mm	1500 mm
38x38 (32x32)	25	U	3140	1610	940	400	200	120	70	60
		d	4	5	6	8	10	12	14	15
38x38 (32x32)	30	U	5640	2910	1690	720	370	210	130	110
		d	4	5	6	8	10	12	14	15
38x38 (32x32)	38	U	11440	5920	3450	1460	750	440	270	220
		d	4	5	6	8	10	12	14	15
50x50 (42x42)	50	U	22220	11600	6780	2890	1490	860	540	440
		d	4	5	6	8	10	12	14	15

U = Uniformly Distributed Load kg/ m<sup>2</sup>

d = Deflection of corresponding load (expressed in mm)

The load values refer to a L/ 100 (1%) deflection

The load values indicated represent average values (tolerance +/- 15%)



### CONCENTRATED LOAD OF FRP GRATING

MESH TYPE mm x mm	THICKNESS mm	DISTANCE BETWEEN SUPPORTS								
			400 mm	500 mm	600 mm	800 mm	1000 mm	1200 mm	1400 mm	1500 mm
38x38 (32x32)	25	C	780	500	350	200	130	90	60	60
		d	4	5	6	8	10	12	14	15
38x38 (32x32)	30	C	1400	910	630	360	230	160	120	100
		d	4	5	6	8	10	12	14	15
38x38 (32x32)	38	C	2840	1840	1290	730	470	330	240	210
		d	4	5	6	8	10	12	14	15
50x50 (42x42)	50	C	5480	3590	2530	1440	930	650	480	420
		d	4	5	6	8	10	12	14	15

C = Concentrated Line load kg/ m

d = Deflection of corresponding load (expressed in mm)

The load values refer to a L/ 100 (1%) deflection

The load values indicated represent average values (tolerance +/- 15%)