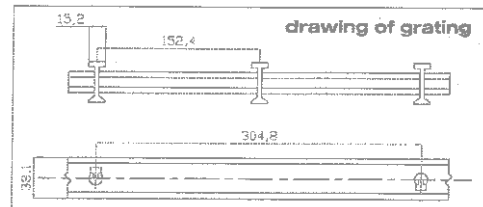




GRID Datasheet in FRP

The pultruded grating is fabricated with the following characteristics:

- 1) Resin**
Vinylester resin providing excellent chemical resistance.
- 2) Reinforcement**
The I-shaped bearing bars are made from continuous fibreglass rovings and surface veil of E-type glass.
- 3) Content of glass fiber**
The bearing bars contain +/- 55 % of glass fibers (in weight).
- 4) Dimensions**
 Thickness: 38 mm
 Opening : 90 % or 152,4 mm
 Weight : 3,5 kg/m²
 Color : bearing bars are yellow,
 connecting bars are dark grey.



5) Load table

span in mm	concentrated line load kg/m							
	100	200	300	500	750	1000	1500	2000
300	0.05	0.11	0.16	0.27	0.41	0.54	0.81	1.08
500	0.21	0.42	0.62	1.04	1.56	2.08	3.12	4.16
700	0.53	1.06	1.59	2.65	3.98	5.30	7.95	10.60
900	1.06	2.12	3.18	5.30	7.95	10.60	15.90	21.20
1100	1.94	3.87	5.81	9.68	14.51	19.35		
1300	3.13	6.26	9.39	15.65				
1500	4.94	9.88	14.82					
1700	7.36	14.72	22.08					

span in mm	uniform load kg/m ²							
	100	200	300	500	750	1000	1500	2000
300	0.01	0.02	0.03	0.05	0.08	0.10	0.15	0.20
500	0.06	0.11	0.17	0.29	0.43	0.57	0.86	1.14
700	0.21	0.42	0.66	1.05	1.58	2.10	3.15	4.20
900	0.51	1.02	1.53	2.55	3.83	5.10	7.65	10.20
1100	1.26	2.51	3.77	6.28	9.41	12.55		
1300	2.44	4.89	7.33	12.22				
1500	3.94	7.88	11.82					
1700	6.92	13.84	20.76					

Efficiency and Pressure drop of the demister are function of the PAD design and the specific parameters of the process application. Grid opening must be $\geq 90\%$ to guarantee the Efficiency and Pressure drop.

For all request send us an e-mail @ info@benvitec.be

This information is subject to revision as additional knowledge and experience is gained. Benvitec Environment n.v. will not accept any liability whatsoever in connection with this information. This publication is not a license to operate under, or intend to suggest infringement of, any existing patents.