

DATASHEET DS-DST-02

MECHANICAL AND PHYSICAL DATA PHENOLIC PULTRUDED FIBREGLASS MESH GRATING



Span in mm	Uniform Load (kN/M ²)							
	3	5	8	10	15	20	25	50
	Deflection in mm							
800	0.23	0.38	0.61	0.76	1.14	1.52	1.90	3.80
900	0.34	0.56	0.90	1.12	1.68	2.24	2.80	5.60
1000	0.45	0.75	1.20	1.50	2.25	3.00	3.75	7.50
1100	0.76	1.26	2.02	2.52	3.78	5.04	6.30	12.60
1200	0.99	1.65	2.63	3.29	4.94	6.58	8.23	
1300	1.41	2.35	3.75	4.69	7.04	9.38	11.73	
1400	1.86	3.10	4.95	6.19	9.29	12.38	15.48	
1500	2.50	4.16	6.66	8.32	12.48			

PT No	Height	Load bar centre	Load bar width	% Free space	Cross bar spacing	Weight
PT-20-50	50mm	50mm	25mm	50%	150mm	17kgm ²

Property	Index	Standard
Fire Retardant	Flame spread index < 10	ASTM-E84
Fire Resistance	Burn for 1 hr @ 927°C	ASTM-E119
Load	USCG test = load > 500kg/m ² applied after burn at 927°C for 1 hr	ASTM-E119
Burn Rate	Burn rate = 0	ASTM-D-635
Load	Normal operating temperature -100 to +180°C	

FOR MORE INFO

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