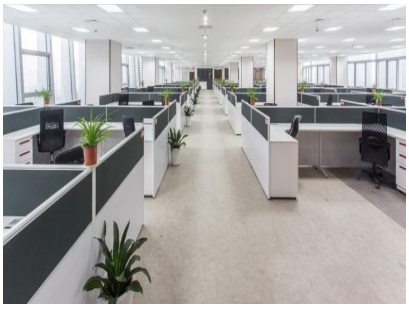
NANJING EFG CO.,LTD.

Fiberglass Board

PRODUCT DESCRIPTION

Fiberglass Board is made of chopped fiberglass by wet lay-out process. With our unparalleled formula and process the fiberglass board can reach the thickness 8mm till 10mm, the one layer polyporous structure make the fiberglass board has unique combination of abuse resistance and sound absorption. At the same time, the fiberglass Board has the features of heat reservation, thermal insulation and fire-proofing. Adding the excellent features of stiffness, light weight, bendable and easy cutting, the fiberglass board is very easy and simple to be further processed and installed. All these features make the fiberglass board an ideal material to improve the acoustic environment, decrease the loss of heat and keep the building safe from fire.



APPLICATIONS

- Conference room, private office, public areas, training room, museums, libraries
- Swimming Pools, Health Clubs, gymnasiums, corridors, classroom and Industrial Applications
- Data processing, computer and mechanical rooms
- Open plan perimeters, recording studios

TECHNICAL DATA

Product Code		FB8.1			FB8.8		
	Unit	Target	Min	Max	Target	Min	Max
Unit Weight	g/m2	215	195	276	232	210	295
	lbs/1300 ft2	808	733	1037	872	789	1109
Thickness	inches	0.320	0.300	0.340	0.345	0.325	0.365
	mm	8.1	7.6	8.6	8.8	8.3	9.3
Density	lbs/ft3	6.2	6.0	7.5	6.2	6.0	7.4
	g/cc	0.099	0.096	0.120	0.099	0.095	0.119
Loss on Ignition	%	12.5	11.0	15.0	12.5	11.0	15.0
MD Tensile	lbs/0.5"	65	55	*	70	60	*
CD Tensile	lbs/0.5"	60	50	*	65	55	*
MD Stiffness	g * 50mm	425	395	*	460	430	*
CD Stiffness	g * 50mm	410	380	*	445	435	*
Note: Product is to be manufactured to thickness specification							

Remark: 1. Special size can also be supplied according to customer’ s demand.

2. The technical data above is for reference only.

Moisture Regain & Formaldehyde Content test

Item	Standard	Test Result	Conclusion
Moisture Regain	≤5.0	2.9	Qualified
Formaldehyde Content	--	Not detected	--

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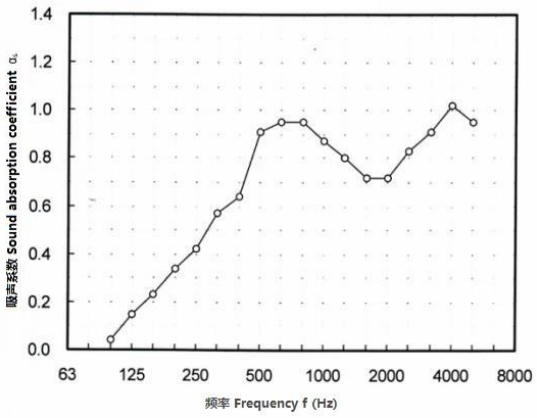
Flame retardant test

Item	Test Method	Standard Data		Test Result	Conclusion
Fire growth rate index (FIGRA) W/s	GB/T 20284-2006	A2	≤120	0	QUALIFIED
Total heat release in 600 seconds (THR 600S), MJ	GB/T 20284-2006		≤7.5	0.6	
Horizontal flame spread length (LFS),m	GB/T 20284-2006		< sample	Meet requirement	
Calorific value of combustion (PCS), MJ/kg	GB/T 14402-2007		≤3.0	1.8	
Smoke generation rate index (SMOGRA), ㎡/s²	GB/T 20284-2006	S1	≤30	0	QUALIFIED
Total smoke production in 600 seconds (TSP 600s) ,㎡	GB/T 20284-2006		≤50	16	
Burning drips	GB/T 20284-2006	d0	No drips in 600s	Meet requirement	QUALIFIED
Toxicity of smoke	GB/T 20285-2006	T0	ZA1	ZA1	QUALIFIED

Sound absorption test (thickness 8.76mm)

Frequency	Hz	100	125	160	200	250	315	400	500	630
Sound absorption coefficient	α_s	0.04	0.15	0.23	0.34	0.42	0.57	0.64	0.91	0.95
Frequency	Hz	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	α_s	0.95	0.87	0.80	0.72	0.72	0.83	0.91	01.02	0.95



Thermal Conductivity test (6mm)

Item	Test Method		Test result
Thermal Conductivity W(m·K)	Average temperature 25℃	GB/T 10295-2008	0.032
	Average temperature 70℃		0.039

PACKING

Every roll in plastic film

STORAGE

This product should be stored in a dry, ventilated and rainproof place, with temperatures from 5℃to 35℃ and humidity between 35% and 65%. It is recommended to be kept in intact package when not used to avoid damp.

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