



S3155G

(UL ANSI: NO ANSI) Halogen-Free CEM-1

特点

- 不含卤素、锑、红磷等成分。
- 燃烧时的发烟量和气味少，不产生剧毒气体和不残留有毒成分。

应用领域

家用电器、电源基板、仪器仪表、游戏机等。

FEATURES

- Free of constituents such as halogen, antimony and red phosphorus.
- Low emitting of smoke and odors in combustion, non-emitting of poisonous gas and no residue of harmful constituents.

APPLICATIONS

Household appliance, power base board, apparatus and instrument, game machine, and etc.

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data		
			SPEC	Typical Value	
Flammability	C-48/23/50	Rating	V-0	V-0	
	E-24/125				
Volume Resistivity	C-96/35/90	MΩ.cm	≥10 ⁶	6.1×10 ⁸	
	E-24/125		≥10 ³	2.8×10 ⁵	
Surface resistance	C-96/35/90	MΩ	≥10 ⁴	5.2×10 ⁷	
	E-24/125		≥10 ³	7.5×10 ⁶	
Arc resistance	D-48/50+D-0.5/23	s	≥60	115	
Dielectric breakdown	D-48/50+D-0.5/23	kV	≥40	45+kV NB	
Dielectric Constant (1MHz)	C-24/23/50	-	≤5.4	4.5	
Dissipation Factor (1MHz)	C-24/23/50	-	≤0.035	0.018	
Thermal stress	288℃	-	10s	15s	
			No delamination	No delamination	
Peel Strength	1oz Cu Foil	N/mm	288℃、10s	≥1.0	1.5
			125℃	-	1.4
Flexural strength	LW	MPa	≥242	400	
	CW		≥172	320	
Water absorption	D-24/23	%	≤0.5	0.2	

Remarks: 1.Specification sheet:IPC-4101/15 and JPCA, is for your reference only.
 2.All the typical value is based on the 1.6mm specimen.
 3.All the typical value listed above is for your reference only, please turn to Shengyi Technology Co., Ltd. for detailed information, and all rights from this data sheet are reserved by Shengyi Technology Co., Ltd.

Explanations: C = Humidity conditioning; D = Immersion conditioning in distilled water; E = Temperature conditioning.

The figures following the letter symbols indicate with the first digit the duration of the preconditioning in hours, with the second digit the preconditioning temperature in ℃ and with the third digit the relative humidity.



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PURCHASING INFORMATION

Thickness	Copper foil	Standard Size	
0.63mm to 3.2mm	18 μ m	1,020 \times 1,220mm (40" \times 48")	915 \times 1,220mm (36" \times 48")
	to 105 μ m	1,070 \times 1,220mm (42" \times 48")	

❖ Other sheet size and thickness could be available upon request.

HALOGEN CONTENT TEST

❖ **JPCA-ES-01-2003 Standard** “Test method of halogen-free materials”

Halogen	JPCA Standard	S3155G
Cl	$\leq 0.09\%$	0.02%
Br	$\leq 0.09\%$	0.00%