



深圳市鸿富诚新材料股份有限公司

SHENZHEN HFC CO., LTD

TEL: 86-755-27327249 FAX: 86-755-27306260

<http://www.emigasket.com>

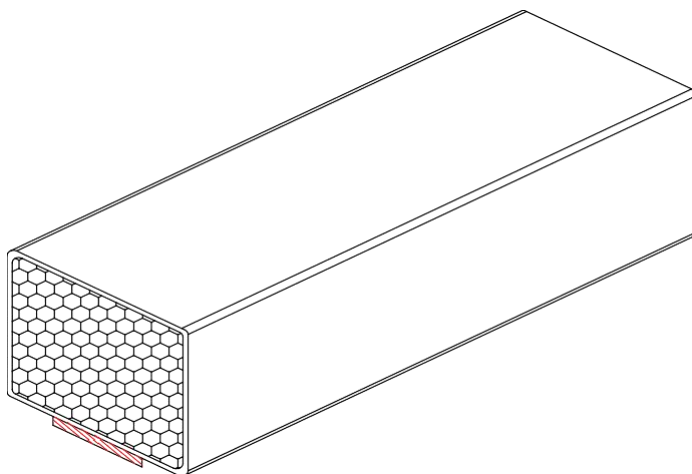
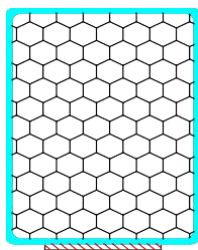
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导电泡棉规格书

Conductive Fabric wrapped Foam specification

GR-A07 series

(A07系列为抗氧化灰色导电布)



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1.产品特点 Features:

此导电泡棉是专属鸿富诚屏蔽材料有限公司产品。它经过热塑加工而成，可根据客户要求模切成任何形状。具有优良的导电性以及弹性性能，且具有良好的减震和屏蔽效果，应用范围广泛。

The conductive foam is the exclusive HFC shielding material limited company. It is through the thermoplastic processing, can be cut into any shape according to customer requirements. With excellent electrical conductivity and elasticity, and has the damping and good shielding effect, wide application range.

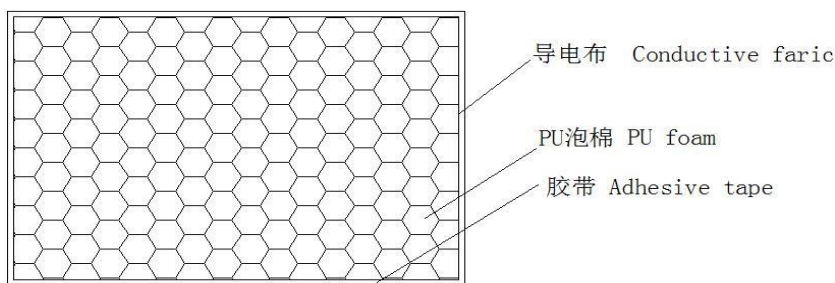
2.应用领域:

适用于电脑、伺服器、电脑、电视、通讯设备等电脑消费品。

Applicable to mobile phone, computer, television and other types of consumer electronic products.

3. 产品结构:

Products shapes:



4. 材料的构成Material composition:

41 材料的构成 Material composition

阻燃导电布 Retardants Conductive Fabric

PU 泡棉 PU Foam

导电胶 Conductive adhesive

42 主要材料成分明细 Material components:

项目 Items	材料 Component
阻燃导电布 Conductive Fabric	铜+镍+涤纶纤维+阻燃胶 Cu+Ni+ Polyester fiber+阻燃胶
PU 泡棉 PU Foam	聚醚多元醇+甲苯二异氰酸酯+其它助剂 Polyether polyols+ Toluene diisocyanate+ Other additives
胶带 Adhesive tape	导电胶 Acrylic conductive adhesive

备注:

(1) 导电布与 PU 泡棉由热熔胶在高温条件下进行粘合。

Conductive fabric and PU foam by hot melt adhesive for bonding under high temperature conditions.

(2) 热熔胶可分为不阻燃、无卤阻燃、耐高温无卤阻燃以及阻燃热熔胶，阻燃效果依次增加，客户可根据需求进行选择。

Hot melt adhesive can be divided into not waterproof, non halogen flame retardant, high temperature resistant non halogen flame retardant and fire-retardant hot-melt adhesive, flame retardant effect, which in turn increases, customers can choose according to their needs.



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4. 产品的形状:

产品描述 Description	简图 Diagram	产品描述 Description	简图 Diagram
矩形 Rectengl shape		P 型 P Shape	
帽型 Bell Shape		圆形 Circle Shape	
凹形 Concave Shape		D 型 D Shape	
T 型 T Shape		腰型 Waist Shape	
L 型 L Shape		冲型 Die cut shape	

6 产品制程 Product process:

单位: mm

尺寸 Size	宽度 Width	高度 Height
形状 Shape		
矩型 Rectengl shape	1.2-100	0.4-45
异型 Special shape	3-30	2-30
冲型 Die cut shape	2.5-100	0.4-20



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7. 工艺公差 Process tolerance:

1. All dimensions specified with millimeter.

宽 (W)	Tolerance	高 (T)	Tolerance	长 (L)	Tolerance
≤20	±0.28	≤20	±0.28	≤20	±0.28
20-49.99	±0.48	20-49.99	±0.48	20-49.99	±0.48
50-99.99	±0.68	50-99.99	±0.68	50-99.99	±0.68

2.1 长度在 100mm~499.99mm 的产品长度公差±0.98mm。

Lengths between 100mm-499.99mm Should be ±0.98mm.

2.2 长度在 500mm~999.99mm 的产品长度公差±3mm。

Lengths between 500mm-999.99mm Should be ±3mm.

2.3 长度在 1000mm 以上的产品长度公差±8mm。

Length above 1000mm should be ±8mm.

另：以上公差可根据产品大小及客户需求做轻微调整。

The above tolerance can make a slight adjustment according to the size of the product and customer requirements.

8. 产品特性 Characteristics test result:

Item	Unit	Value	Description
表面电阻 Surface Resistance	Ω /inch ²	≤0.07	ASTMF390
垂直电阻 Vertical resistance	Ω	≤0.07	ASTMF390
屏蔽效能 (50%压缩) Shielding Effectiveness	dB	≥85 (10MHz - 3GHz)	MIL DIL 83528C
压缩永久变形 Compression permanent deformation	%	≤20	ASTM D395
压缩电阻 (50%) Compression resistance 50%	Ω /inch ²	≤0.07	ASTMF390
压缩 50%的压力 Pressure 50%	Kg/m	≤30	/
阻燃等级 Flame retardant grade	/	V-0	UL94
工作温度 Working temperature	℃	-40~85	FZ/T01003-1992

备注：在热熔胶中增加阻燃剂，增加导电泡棉的阻燃效果，UL 报告编号：OCDT2.E304652，相对应成品导电泡棉系列号：FZJX2(C)。

To increase the flame retardant in hot melt adhesive adding conductive foam flame retardant effect. OCDT2.E304652 UL Report, FZJX2(C) Corresponding Model.



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产品其它性能 Other properties of products:

(1) 导电泡棉接封口处粘合紧密，撕开接封口可见到有铜残留在导电布上。

The sealig tightly bonded of conductive foam, after torning the sealing , have residual copper on the conductive fabric.

(2) 导电布与泡棉粘合紧密，剪开后，导电布与泡棉粘结牢固，无分离现象。

Conductive fabric and PU foam are tightly bonded, after cutting, the conductive fabric and foam bonded firmly, without separation.

(3) 产品粘贴到洁净镀锌钢板上，用 2kg 滚轮以 300mm/min 的速度滚压两个来回，在温度 70℃、湿度 90%的环境下放置 72 小时后，无脱落、翘起、热熔胶与泡棉分离、FRP 变形、有溶出物等现象。

The products bond on clean galvanized steel products, With 2kg roller to 300mm/min speed of two back and forth, put it to place 70℃、RH 90% environmental for 72 hours , no shedding, tilting, hot melt and foam separation, FRP deformation and dissolution phenomenon

9. 纳入状态:

Specification of packing

(1) 包装方法: 将已加工 OK 的产品用 PE 袋包装起来，在进行装箱

Packing method: Packing with PE bags and then with boxes .

(2). 根据产品尺寸定义每 PE 袋包装数量，每箱装多少 PE 袋,也可根据客户要求定制。

The quantity of product packed in bag and box depended on the size and dimension of the products ,Also which can be custom-made.

Picture for packing as below:



10. 其它 Other:

1) 为了使粘贴效果达到最佳，粘贴物表面必须保持洁净、干燥。

In order to make the paste achieve the best effect, the surface of the paste must be clean and dry.

2) 常温下保存，避免日光直射，置于 $28 \pm 5^\circ\text{C}$ 、 $65\% \pm 5\% \text{RH}$ 的情况下，有效期 12 个月。

It is Saved in the condition of normal atmospheric temperature, at $28 \pm 5^\circ\text{C}$, $65\% + 5\% \text{RH}$, the Shelf life is 12 months.

3) 以上数据均为我司实际测试所得，最终解释权在我司实验室。

All the data is acquired in our laboratory, the explanatory right is our laboratory.

4) 若对本公司产品存有疑问，敬请联络本公司人员，以便更好的为您服务。

If you have any questions about the production of our company , please contact the company



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personnel, in order to better service for you.

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