



SHANGHAI NANYA COPPER CLAD LAMINATE CO., LTD.  
上海南亞覆銅箔板有限公司

NO. 158 CHANGXIANG ROAD NANXIANG SHANGHAI P. R. CHINA

中國上海南翔昌翔路 158 號

TEL: 0086-21-59175555 FAX: 0086-21-69178833

INTERNET HTTP: [www.ccl-china.com](http://www.ccl-china.com)

E-MAIL: [sales@ccl-china.com](mailto:sales@ccl-china.com)

物质安全资料手册

MATERIAL SAFETY DATA MANUAL

1、产品及公司名称、地址 PRODUCT AND COMPANY IDENTIFICATION

产品名称:	覆铜箔层压板（黄料）、半固化片
Product Name:	Copper clad laminate (Yellow)、 prepreg
UL档案号:	E213990
UL File:	E213990
产品用途:	用于印制线路板、制作多层板
Using of the Product:	Making for Printed Circuit Board and Mality-lay Board
公司名称及地址:	上海南亞覆銅箔板有限公司 上海南翔昌翔路158号
Company Name and Address:	Shanghai Nanya Copper Clad Laminate CO., LTD. NO.158, Changxiang Road, Nanxiang, Shanghai, P. R. CHINA

如果您有任何问题或建议的话，请按如下方式联系我们：

电话： 0086-21-5917-5555

传真： 0086-21-6917-8833

E-MAIL: [sales@ccl-china.com](mailto:sales@ccl-china.com)

If you have any questions and suggestions, please feel free to contact us and no hesitation

TEL: 0086-21-5917-5555

FAX: 0086-21-6917-8833

E-MAIL: [sales@ccl-china.com](mailto:sales@ccl-china.com)



SHANGHAI NANYA COPPER CLAD LAMINATE CO., LTD.

上海南亞覆銅箔板有限公司

NO. 158 CHANGXIANG ROAD NANXIANG SHANGHAI P. R. CHINA

中國上海南翔昌翔路 158 號

TEL: 0086-21-59175555 FAX: 0086-21-69178833

INTERNET HTTP: [www.ccl-china.com](http://www.ccl-china.com)

E-MAIL: [sales@ccl-china.com](mailto:sales@ccl-china.com)

若要更多的信息，欢迎您登陆我们的网址：

For more information, welcome to our website:

<http://www.ccl-china.com>

## 2、产品的组成 COMPOSITION OF THE PRODUCT

原材料名称 Raw Material	含量% contend	CAS NO
玻璃纤维布 Fibre Glass Cloth	30~40	65997-17-3
铜箔 Copper Foil	15~25	7440-50-8
环氧树脂 Epoxy Resin	40~70	26265-08-7

## 3、物化性能 PHYSICAL AND CHEMICAL PROPERTIES

外观： Appearance:	板材颜色为黄色 Yellow in normal
气味： Odor:	常态下为无味固体 solid state, none
比重： Density:	(水=1.0) 1.7±0.25 (Water =1.0) 1.7±0.25
水溶性： Solubility:	不溶固体 Negligible in water

## 4、防火测试 FIRE PROOFING TEST

易燃性： Flammable Properties:	不适应 N/A
燃烧等级： UL 94-V0	



SHANGHAI NANYA COPPER CLAD LAMINATE CO., LTD.

上海南亞覆銅箔板有限公司

NO. 158 CHANGXIANG ROAD NANXIANG SHANGHAI P. R. CHINA

中國上海南翔昌翔路 158 號

TEL: 0086-21-59175555 FAX: 0086-21-69178833

INTERNET HTTP: www.ccl-china.com

E-MAIL: sales@ccl-china.com

---

Flame rate:	UL 94-V <sub>0</sub>
灭火介质:	水、CO <sub>2</sub> 、干粉灭火器及细砂
Exinguishing Medium:	Water、CO <sub>2</sub> 、Dry chemical or sand
不正常火灾:	当发生热温度时, 可能会释放出有毒的含溴化合物
Fire in Especial:	Making decompose, releasing the Bromine Compound
灭火人身安全:	消防员必须穿戴专业的保护装置和正压呼吸系统
Personal Protection:	Firemen should wear proper equipment and posit a pressure self-contained breathing apparatus

#### 5、防静电 ANTI-STATIC

产生环境:	非常干燥、空气完全不流通
Environment:	Exceeding dry and the air no current completely
产生原因:	从堆叠的板料中拿起或放入瞬时
The Reason:	Removing or depositing in a stack of material, causing spark
防护措施:	拿起或放入时, 戴上橡胶手套, 板料周围不能放置易产生易燃性气体的危险物
Protective Measure:	Removing or depositing, wearing rubber mittens NO laying hazardous materials, which make flammability gas around it

#### 6、稳定性及反应性 STABILITY AND REACTIVITY

常态是否稳定:	稳定
Normally Stable:	Stable
不兼容性:	不确定
Incompatibilities:	Not determine
燃烧后的危险化合物:	CO、CO <sub>2</sub> 、HBr、NO <sub>x</sub> (当加热温度超过300℃)
Hazardous Decomposition compound:	CO、CO <sub>2</sub> 、HBr、NO <sub>x</sub> (if heated excess of 300℃)



SHANGHAI NANYA COPPER CLAD LAMINATE CO., LTD.

上海南亞覆銅箔板有限公司

NO. 158 CHANGXIANG ROAD NANXIANG SHANGHAI P. R. CHINA

中國上海南翔昌翔路 158 號

TEL: 0086-21-59175555 FAX: 0086-21-69178833

INTERNET HTTP: [www.ccl-china.com](http://www.ccl-china.com)

E-MAIL: [sales@ccl-china.com](mailto:sales@ccl-china.com)

是否存在危險聚合物: 无

Hazardous Polymerization: None

## 7、危险性 HAZARDS IDENTIFICATION

潛在的危險品

Potential Health Hazards

粉末: 当生产、成品切削时, 粉末会飞散出

Powder: Fibrous dust may be released from the fiber-glass cloth substrate when machined

皮肤: 粉末会导致中等程度的皮肤过敏

Skin: Dust may cause moderate skin irritation

眼睛: 粉末会导致中等程度的眼睛过敏

Eyes: Dust may cause moderate eyes irritation

## 8、加热时的危害 HAZARDS WHEN HEATED

现象: 会产生难闻的气味, 常时间闻此气味严重者, 会出现头痛、头晕

Appearance: Making afflictive gas when heated. For brief contact to dust, no precarious other than headachy and giddy

措施: 设置排气装置, 不断更换新鲜空气

Protection: Putting up exhaust. Changing fresh air constantly

## 9、首要防护措施 FIRST AID MEASURES

皮肤: 除去已污染的衣服, 用流动水冲洗不小于10分钟; 如有持续过敏现象, 求助医生

Skin: Wash in flowing water on less 15 minutes; if irrigation persists consult a physician



SHANGHAI NANYA COPPER CLAD LAMINATE CO., LTD.

上海南亞覆銅箔板有限公司

NO. 158 CHANGXIANG ROAD NANXIANG SHANGHAI P. R. CHINA

中國上海南翔昌翔路 158 號

TEL: 0086-21-59175555 FAX: 0086-21-69178833

INTERNET HTTP: www.ccl-china.com

E-MAIL: sales@ccl-china.com

---

眼睛:	马上用流动水冲洗15分钟以上,并不时眨眼睛,切勿揉搓,如有持续过敏现象,求助医生
Eye:	Irrigate with flowing water for 15 minutes immediately, blinking continually, forbidding kneading; if irrigation persists consult a physician
吸入:	如粉尘烟气太重,及时转移到空气新鲜的地方,危急情况,进行人工呼吸,并求助医生诊断
Inhalation:	if overcome by dust or smoke, moving to fresh air, no breathing, giving mouth-to-mouth resuscitation, and calling physician

#### 10、工程控制 ENGINEERING CONTROLS

安装、使用除尘通风设备

Setting and using exhaust ventilation to control dust

#### 11、个人保护措施 PERSONAL PROTECTION

皮肤保护: 短暂接触粉尘,需要时清洗身体或衣服

常接触或常时间接触粉尘,穿戴防护装置

Skin Protection: For brief contact to dust, no precarious other than clean body covering clothing should be needed

眼睛保护: 使用有关材料操作时,佩带眼睛保护装置

Eye Protection: Using appropriate eye protection when machining material

呼吸保护: 大气中的玻璃钎维粉尘颗粒不宜大于 $10\text{mg}/\text{m}^3$ ,铜屑粉尘颗粒必须小于 $1\text{mg}/\text{m}^3$

Respiratory Protection: The fiberglass in atmospheric should be maintained no more than  $10\text{mg}/\text{m}^3$  and copper dust must be under  $1\text{mg}/\text{m}^3$

#### 12、毒物学资料 TOXICOLOGICAL INFORMATION



SHANGHAI NANYA COPPER CLAD LAMINATE CO., LTD.

上海南亞覆銅箔板有限公司

NO. 158 CHANGXIANG ROAD NANXIANG SHANGHAI P. R. CHINA

中國上海南翔昌翔路 158 號

TEL: 0086-21-59175555 FAX: 0086-21-69178833

INTERNET HTTP: [www.ccl-china.com](http://www.ccl-china.com)

E-MAIL: [sales@ccl-china.com](mailto:sales@ccl-china.com)

---

敏感反应:	粉尘将导致眼、皮肤中毒过敏
Immediate (Acute) Effects:	Dust may cause moderate eyes, skin, and respiratory irritation
慢性反应:	未知
Delayed (Subchronic & chronic) Effects:	None known

### 13、生态学资料 ECOLOGICAL INFORMATION

非生物降解

Not biodegradable

### 14、排放程序及废物处置 SPILL PROCEDURES WASTE DISPOSAL

排放程序: 如材料不被污染, 将其存入洁净的容器中再使用; 如被污染, 将其存入指定容器中待处理

Spill Procedures: If material is not contaminated, scoop into clean containers for reuse. Else, scoop it into containers or disposal

废物处置: 对加工处理出来的废物统一放置, 由认定的清运商进行相关的处理

Waste Disposal: Land filling of cured material in a admissive facility in accordance with local regulations in acceptable disposal method