

玻璃纤维增强挤拉型材
产品规格书
PRODUCT SPECIFICATION

CUSTOMER/客户: _____

DRAWING NO/客户图号: 系列规格

DATE/日期: _____

VERSION/版本: A0

环保符合标准				
符合 ROHS2.0 符合无卤素	报告 编号	SZC17101781511C	有效 期至	2018.10.20

APPROVED BY CORPORATION/本公司核准

ENG. DRAWN BY 工程制图	ENG. CHECKED BY 工程审核	QM. CHECKED BY 品质审核	APPROVED BY 核 准
刘春红			

APPROVED BY CUSTOMER/客户确认签章

ENG. CHECK 工程确认	QC. CHECK 品质确认	BYR. CHECK 采购确认	RATIFY 批准

PLEASE FAX TO OUR CORPORATION IF READ OVERMARGINALIA THANK!
客户确认签署后请传回一份给本公司 谢谢!

一、产品简介Product introduction

该产品采用无碱玻璃纤维，以 UL耐高温不饱和聚酯树脂为基体，经模压或挤拉，固化成型的 H级绝缘材料The product is made of alkali free glass fiber with UL unsaturated polyester resin as the matrix.。

该产品具有优越的电气性能、机械性能、防潮、防腐蚀性能。可广泛用于 H级干式变压器的燕尾垫块，T型撑条，工字型通风条，直条等不同要求的绝缘制品The product has excellent electrical performance, mechanical performance, moisture-proof, anti-corrosion performance. It can be widely used for insulating products with different requirements, such as dovetail pad of h-class dry-type transformer, t-type bracing, i-type ventilating strip and straight strip.。

二、技术指标Technical indicators

序号	指标名称The index name	单位The index name	合格标准 (I) Eligibility criteria (I)	合格标准 (II) Eligibility criteria (I)
1	外观appearance	—	制作表面应平整The surface should be smooth 光滑无气泡裂纹 Smooth bubble free crack	制作表面应平整The surface should be smooth 光滑无气泡裂纹 Smooth bubble free crack
2	密度The density of	³ g/c	1.75-1.95	1.75-1.95
3	吸水率Bibulous rate	%	≤0.5	≤0.5
4	模塑收缩率Mold shrinkage	%	≤0.15	≤0.15
5	热变形温度 (1.8Mpa) Thermal deformation temperature	℃	≥240	≥240
6	冲击强度 (简支梁, 无缺口) Impact strength (simply supported beam, no notch)	² KJ/	≥30	≥90
7	弯曲强度The bending strength	Mpa	≥90	≥260
8	绝缘电阻 Insulation resistance	常态normal	¹³ ≥1.×100	¹³ ≥1.×100
		浸水flooding 24h	¹² ≥1.×100	¹² ≥1.×100
9	电气强度 (90℃变压器油中90 °C in the transformer oil) Dielectric strength	MV/	≥12.0	≥12.0

10	介质损耗因数 (1MHZ) Dielectric loss factor	-	≤0.015	≤0.015
11	相对介电常数 (1MHZ) The relative permittivity	-	≤4.8	≤4.8
12	耐电弧 Arc resistance	S	≥180	≥180
13	耐漏电起痕指数 (CTI) Trace resistance index (CTI)	-	≥600	≥600
14	燃烧等级 Burning level	级	FV0	FV0

备注: (I) 为燕尾垫块、内外层垫块 (II)

Remarks : (I) dovetail pad,
inner and outer layer pad (II)
为 T型撑条、工字条、直条 Is T
- type bracing, h bar,
straight bar

玻璃纤维增强挤拉型材料安全数据表 Safety data sheet of glass fiber reinforced extruded materials

第一部分化学品及企业标

Part I chemicals and enterprise standards

化学品名称: 玻璃钢制品

Chemical name: FRP products

生产: 惠州市富威绝缘材料科技有公司

Production: huizhou fuwei insulation materials technology companies

地址: 惠州市博罗县石湾镇 Address: shiwan town, boluo county, huizhou city

企业应急电话: 0752. 6662068 传真: 0752. 6668513

电子邮件: taihu@taihucn.com 生效日期: 2017年10月16日

国家应急电话: 国家化学事故应急中心电话: 0532 - 3889090、0532 • 3889191 消防应急救援电话: 119

第二部分成分/组成信息

Part 2 composition

information 化学品名称

Chemical name: 玻璃钢

Glass fiber reinforced
plastic

成分名称 Component name

CAS NO:

玻丝 The glass fiber 20. 30%

65997

7. 3

不饱和聚酯树脂

Unsaturated polyester resin 50 • 60%

硅粉填料 Silicon powder 20 — 30%
filler

70 • 21 • 3

第三部分危险性概述 The
third part is risk overview

皮肤: 粉末将导致中等程度皮肤过敏 Skin: powder will cause moderate skin
irritation.

眼睛: 粉末将导致中等程度眼睛过敏 Eyes: dust may cause moderate eye irritation.

吸入物: 当切割时可能会粉末飞散 Inhalation: powder may disperse when cut.

慢性影响: 该产品用的是加强型连续的玻璃纤维丝。IARC 组织没有将联系型玻璃纤维
丝列入致癌目录 Chronic effects: this product USES reinforced continuous glass
filament. The IARC group did not include contact glass filaments in its cancer
list.。

第四部分急救措施 Part iv
first aid measures

皮肤接触: 脱去污染的衣物, 用肥皂和清水冲洗皮肤 Skin contact: remove
contaminated clothing and rinse skin with soap and water.

眼睛接触: 用流动的水冲洗几分钟, 如过敏现象持续发生, 请求助于医生 Eye contact:
rinse with running water for a few minutes. If irritation persists, consult
a doctor.

吸入: 如粉末烟尘太多请转移到有新鲜空气的地方, 如没有呼吸, 请进行人工呼吸,
并致电就医 Inhalation: if there is too much dust, please move to a place with
fresh air. If you do not breathe, please give mouth-to-mouth breathing and
call a doctor.。

食入: 如食入大量, 请致电医生。 Ingestion: if large amounts are ingested, please
call your doctor.

建议医生: 处理出现的症状。 Recommended doctor: deal with symptoms.

第五部分预防措施 The fifth
part will take preventive
measures

第六部分泄漏应急处理 The sixth part of the leakage should be read processing

泄漏或其他释放: 不适用固体材料 Leakage or other release: not applicable to solid materials.

第七部分操作处置与储存 Part seven operation disposal and storage

操作处理注意事项 Operation matters needing attention: (建议穿戴个人防护设施 Personal protective equipment is recommended) 主要是预防暴露部位吸入当机器切割 Mainly preventing exposure to inhalation when machine cutting、打孔时或冒烟、气体液化受热时所产生的粉尘。

储存注意事项: 不适用 Dust produced by punching, smoking, or liquefaction of gases under heat.

Storage considerations: do not apply. .

第八部分控制价体防护 Part viii controlled valency protection

工程控制 Engineering control: 使用当地除尘通风设施 Use local dust-removal ventilation.

呼吸系统防护 Respiratory protection: 当进行产生大量粉尘的操作时使用规范的粉尘防毒面具 Use standard dust respirators when performing operations that produce large amounts of dust. .

眼睛防护 Eye protection: 当加工材料时使用眼睛保护装置 Use eye protection when processing materials.

皮肤防护 Skin protection: 对于短暂性的接触粉尘, 需要时清洗身体或衣服, 无预防措施。对于长期性的接触, 要佩带手套和围裙 For transient contact with dust, wash the body or clothes when necessary, no precautions. For long - term contact, wear gloves and an apron. .

其它防护: 工作现场禁止吸烟、进食饮水。工作前避免饮用酒精性饮料。工作后淋浴更衣。进行就业前和定期的体检 Other protection: smoking and drinking are not allowed at work. Avoid alcoholic beverages before work. Take a shower and change clothes after work. Conduct pre-employment and regular physical examinations. .

第九部分理化特性 Part ix physical and chemical characteristics

外观与现状 Appearance and status quo: 白色固体。无味, 除非加热 White solid. Tasteless, unless heated.

闪点: 不适用 Flash point: not applicable。爆炸上限: 不适用 Explosion limit: not applicable.。

爆炸下限: 不适用 Lower explosion limit: not applicable。临界温度: 不适用 Critical temperature: not applicable。

溶解性: 不溶于水 Solubility: insoluble in water。

主要用途: 用于支撑、绝缘 Main application: for support and insulation。

第十部分 稳定性与反应性 Part x stability and reactivity

稳定性: 稳定 Stability: stability。禁配: 不适用 Banned: not applicable。

避免接触的条件: 不适用 Conditions for avoiding contact: not applicable。聚合危害: 不能发生 Aggregation hazard: cannot occur。

分解产物: 燃烧时会有烟雾, 并产生一氧化碳、二氧化碳等 Decomposition products: combustion will have smoke, and produce carbon monoxide, carbon dioxide, and so on。

第十一部分 毒理学数据 Part xi toxicological data

敏感反应: 灰尘将导致眼、皮肤中度过敏 Sensitive reactions: dust may cause moderate eye and skin irritation.。

感性反应: NTP 组织认为悬浮性的玻棉颗粒理论上可致癌。IARC 组织也将玻璃棉系列为致癌物。该产品是加强型的连续玻璃纤维丝产品。当切割、研磨、制造时通常不会产生吸入颗粒。IARC 组织认为连续型玻璃纤维不会致癌 Perceptual response: the NTP tissues suggest that suspended glass cotton particles may be carcinogenic in theory. The IARC tissue also makes glass wool a carcinogen. The product is reinforced continuous glass fiber products. Inhalation particles are not normally produced when cutting, grinding, or manufacturing. The IARC says continuous fiberglass does not cause cancer.。

第十二部分: 生态学数据生态毒性: 有轻微影响 Ecologic data ecotoxicity: slight effects。

第十三部分: 废弃处理废弃物

Dispose of waste 性质: 危险
废弃物。

废弃处置方法 Waste disposal method: 送环保部门指定的填埋场或处理场所, 用控制焚烧法处理 Send to a landfill or disposal site designated by the environmental protection department for controlled incineration.。

废弃注意事项: 废物存贮、废弃处置应参与国家和地方环保有关法规 Matters needing attention: waste storage and disposal should be involved in national and local environmental protection laws and regulations。

第十四部分 运输信息 Part xiv transportation information

运输注意事项: 附带资料是当运输规则影响到物料时, 请和本企业联系 Transport notice: the attached information is when the transport rules affect the materials, please contact

the enterprise。

第十五部分信息 Part 15 information

国内法规:《生产性粉尘作业危害程度分级》《工作场所空气中粉尘容许浓度》 Domestic laws and regulations: classification of hazardous degree of productive dust work and permissible concentration of dust in workplace air.

第十六部分其它信息 Part 16 other information

参考文献:化学工业出版社《危险化学品技术说明书》,《新编危险化学品手册》,《有毒化学品卫生与安全使用手册》 References: chemical industry press, technical specification of hazardous chemicals, new hazardous chemicals manual, health and safety manual of toxic chemicals.。