



中国船级社
CHINA CLASSIFICATION SOCIETY
工厂认可证书

证书编号/Certificate No.
SH21PWA00034

CERTIFICATE OF WORKS APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

巨石集团有限公司
Jushi Group Co.,Ltd.

地址/Address

中国浙江省桐乡市经济开发区文化西路668号
669 Wenhu Rd (X), Tongxiang Economic Development Zone, Zhejiang, China

产品名称/Product

玻璃纤维增强材料
Glass fiber reinforced materials
玻璃纤维短切原丝毡 玻璃纤维无捻粗纱
Glass Fiber Chopped Strand Mat, Glass Fiber Woven Roving

认可标准/Approval Standard

1. 中国船级社《材料与焊接规范》(2021)及其修改通报第2篇第2章
Chapter 2, Part Two of China Classification Society Rules for Materials and Welding 2021 and its Amendments
2. GB/T 17470-2007《玻璃纤维短切原丝毡和连续原丝毡》
GB/T 17470-2007 Glass Fiber Mats-Chopped Strand and Continuous Filament Mats
3. GB/T 18370-2014《玻璃纤维无捻粗纱布》
GB/T 18370-2014 Glass Fiber Woven Roving

用于/Intended for

船舶与海上设施/Ships and Offshore Installations(船用玻璃钢增强材料/Reinforcing material for marine FRP)

产品明细/Product Description

玻璃纤维短切原丝毡/Glass Fiber Chopped Strand Mats (M0001)

| 名称/Name | 属性(值)/Value | 单位/Unit |
|---------------------------|--------------|---------|
| 型号/Type | EMC300 | |
| 单位面积质量/Units Acreage Mass | 300±8% | |
| 碱金属氧化物含量/Alkaline Oxide | Matel ≤ 0.8% | |

玻璃纤维短切原丝毡/Glass Fiber Chopped Strand Mats (M0002)

| 名称/Name | 属性(值)/Value | 单位/Unit |
|---------|-------------|---------|
|---------|-------------|---------|

证书有效期至/This Certifi

2025年08月09日/ Aug. 09,2025

发证机构 中国船级社 上海分社

签发日期 2021年09月13日

Issued by CCS Shanghai Branch

Date Sep. 13, 2021

本证书根据中国船级社规范和相关规定... 证书页...

用。纸质证书每页均须由本社盖章方为有效, 电子证书含数字签名方为有效。有关方对所持证书的真实性有疑问时, 可以向我社检验机构咨询。

This Certificate is issued pursuant to the Rules of Classification Society and its amendments. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.

Form No: W01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)



UTN:P021-07690158

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|-------------------------------|----------|------------------|
| 型号/Type | EMC200 | |
| 单位面积质量/Units Acreage Mass | 200±7.5% | g/m ² |
| 碱金属氧化物含量/Alkaline Metal Oxide | ≤ 0.8% | |

玻璃纤维短切原丝毡/Glass Fiber Chopped Strand Mats (M0003)

| 名称/Name | 属性 (值) /Value | 单位/Unit |
|-------------------------------|---------------|------------------|
| 型号/Type | EMC225 | g/m ² |
| 单位面积质量/Units Acreage Mass | 200±7.5% | |
| 碱金属氧化物含量/Alkaline Metal Oxide | ≤ 0.8% | |

玻璃纤维短切原丝毡/Glass Fiber Chopped Strand Mats (M0004)

| 名称/Name | 属性 (值) /Value |
|-------------------------------|---------------|
| 型号/Type | EMC450 |
| 单位面积质量/Units Acreage Mass | 450±8% |
| 碱金属氧化物含量/Alkaline Metal Oxide | ≤ 0.8% |

玻璃纤维短切原丝毡/Glass Fiber Chopped Strand Mats (M0005)

| 名称/Name | 属性 (值) /Value | 单位/Unit |
|-------------------------------|---------------|---------|
| 型号/Type | EMC100 | |
| 单位面积质量/Units Acreage Mass | 300±7.5% | |
| 碱金属氧化物含量/Alkaline Metal Oxide | ≤ 0.8% | |

玻璃纤维短切原丝毡/Glass Fiber Chopped Strand Mats (M0006)

| 名称/Name | 属性 (值) /Value | 单位/Unit |
|-------------------------------|---------------|------------------|
| 型号/Type | EMC600 | g/m ² |
| 单位面积质量/Units Acreage Mass | 600±8% | |
| 碱金属氧化物含量/Alkaline Metal Oxide | ≤ 0.8% | |

玻璃纤维无捻粗纱布/Glass Fiber Woven Roving (M0001)

| 名称/Name | 属性 (值) /Value | 单位/Unit |
|-------------------------------|---------------|------------------|
| 型号/Type | EWR360 | g/m ² |
| 单位面积质量/Units Acreage Mass | 360±5% | |
| 碱金属氧化物含量/Alkaline Metal Oxide | ≤ 0.8% | |

玻璃纤维无捻粗纱布/Glass Fiber Woven Roving (M0004)

| 名称/Name | 属性 (值) /Value | 单位/Unit |
|---------|---------------|---------|
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|---------------------------|--------|------------------|
| 型号/Type | EWR400 | |
| 单位面积质量/Units Acreage Mass | 400±5% | g/m ² |
| 碱金属氧化物含量/Alkaline Matel | ≤ 0.8% | |

玻璃纤维无捻粗纱布/Glass Fiber Woven Roving (M0005)

| | | |
|---------------------------|-------------|---------|
| 名称/Name | 属性(值)/Value | 单位/Unit |
| 型号/Type | EWR270 | |
| 单位面积质量/Units Acreage Mass | 270±5% | |

认可后的产品检验方式/Method of Product Inspection after Approval

[Redacted content]

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No. : SH21PWA00034

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No. : SH21PWA00034

试验报告日期/ Test Report Date : 2021-09-09

试验单位/ Laboratory: 巨石集团有限公司 JUSHI GROUP CO., LTD

试验单位地址/ Test Address: 浙江省桐乡市经济开发区文华南路669号 669 Wenhua Rd. (s), Tongxiang Economic Development Zone, Zhejiang

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:

[Redacted content]

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SOCIETY

Within the validity of the approval certificate, if cases occur that may cause the Society to suspend or withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

备注/Remarks

本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exem

本证书由原

This certificate

SH19PWA 009.

9PWA00009) 换新并替代原证书。

and supersedes the previous Works Approval Certificate No.

中国船级社上 社
CCS Shanghai ch

