



E20

乳剂短切原丝毡

Emulsion Chopped Strand Mats

产品说明 Product Description

E20 乳剂短切原丝毡是由无碱玻璃纤维原丝经短切后，随机无定向均匀平铺，采用高增塑型乳剂粘结剂粘结在一起的片状毡片。可适用于增强不饱和聚酯树脂、乙烯基树脂。

E20 乳剂短切原丝毡为易手撕高覆模性柔软行乳剂短切毡，主要适用于手糊成型，也适用于连续制板成型，可生产玻璃钢容器、浴缸、玻璃钢模特等产品。

E20 Emulsion Chopped Strand Mat is made of E-glass chopped strands, randomly and evenly distributed and held together by a highly plasticizing emulsion binder. E20 is compatible with unsaturated polyester and vinyl ester resins.



E20 is a soft emulsion mat that offers easy hand tear and good fittability to molds. It is mainly used in hand lay-up and continuous laminating. The end uses include FRP vessels, bathtubs and FRP models.

产品特点 Product Features

- ◎ 覆模性好
- ◎ 树脂浸穿性好，浸透速度快
- ◎ 树脂消耗少
- Good fittability to molds
- Good wet-through and fast wet-out in resins
- Low resin consumption

规格代号及技术指标 Specification and Technical Parameters

项目 Item	单位面积质量偏差 Area weight variation	含水率 Moisture content	可燃物含量 Sizing content	拉伸断裂强力 Tensile breaking force
检测方法 Test method	ISO 3374	ISO 3344	ISO 1887	ISO 3342
巨石标准 Jushi standard	≤ 300 g/m ² : ± 5 % > 300 g/m ² : ± 4 %	≤ 0.07 %	具体见下表 See table below	具体见下表 See table below
国家标准 GB/T 17470 National standard	< 300 g/m ² : ± 12 % 300 ~ 599 g/m ² : ± 10 % ≥ 600 g/m ² : ± 8 %	≤ 0.50 %	1.8 % ~ 8.5 %, 极差≤ 2% The range should not exceed 2%	< 300 g/m ² : ≥ 40 N 300 ~ 599 g/m ² : ≥ 60 N ≥ 600 g/m ² : ≥ 80 N

牌号 Product code	单位面积质量 Area weight	可燃物含量 Sizing content	拉伸断裂强力 Tensile breaking force	牌号 Product code	单位面积质量 Area weight	可燃物含量 Sizing content	拉伸断裂强力 Tensile breaking force
EMC225	225 g/m ²	4.4% (1±20%)	≥ 80 N	EMC450	450 g/m ²	3.5% (1±20%)	≥ 140 N
EMC300	300 g/m ²	4.0% (1±20%)	≥ 100 N	EMC600	600 g/m ²	3.3% (1±20%)	≥ 180 N
EMC375	375 g/m ²	3.8% (1±20%)	≥ 120 N	EMC900	900 g/m ²	3.3% (1±20%)	≥ 240 N

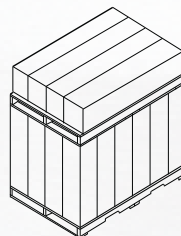
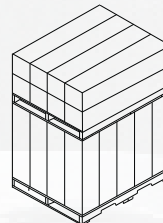
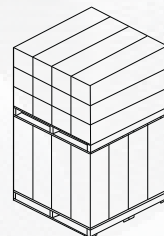
包装信息 Packaging

规格 Specification	1040		1250		1270		1524	
	卷长/米 Length / m	重量/千克 Weight / kg	卷长/米 Length / m	重量/千克 Weight / kg	卷长/米 Length / m	重量/千克 Weight / kg	卷长/米 Length / m	重量/千克 Weight / kg
EMC225	119.7	28	121.6	34	119.7	34	119.7	41
EMC300	96.2	30	97.7	37	96.2	37	96.2	44
EMC375	76.9	30	78.1	37	76.9	37	76.9	44
EMC450	79.1	37	80.4	45	79.1	45	79.1	54
EMC600	59.3	37	60.2	45	59.3	45	59.3	54
EMC900	39.5	37	40.1	45	39.5	45	39.5	54

乳剂短切原丝毡缠绕在内径 90mm 的纸管上，毡卷直径为 265mm，用塑料薄膜包扎，外面用纸箱包装，垂直或水平放置在托盘上。

Each Emulsion Chopped Strand Mat is wound onto a paper tube which has an inside diameter of 90mm. The roll outside diameter is approximately 265mm. Each roll is wrapped up in plastic film and then packed in a cardboard box. The rolls are stacked horizontally or vertically onto pallets.

包装图片 Package picture



巨石使命 Corporate Mission

材料创新为全球可持续发展作贡献
Make Innovative Materials to Contribute to the World's Sustainable

巨石愿景 Corporate Vision

保持全球玻璃纤维工业的领导者
Maintain the Leadership in the World Fiberglass Industry

巨石核心价值观 Core Values

品行 创新 责任 学习 激情
Conduct Innovation Responsibility Learning Passion

产品使用建议 *Tips for product usage*

- 本产品在 15 个月内使用最佳，使用前应保存在原包装内。
- 建议使用时遵循先到先用原则，避免产品存放时间过长，出现分散不良等现象。
- 避免不同牌号的产品混合使用，如需混用，请寻求技术支持。
- 使用前调理纱线的温湿度与环境温湿度平衡，使用时对环境温湿度进行适当控制。建议使用温度控制在 15℃ ~ 30℃、湿度 60%±15% 最佳。
- *The product is best used within 15 months after production and should be stored in its original packaging before use.*
- *Customers are advised to follow the “first-in, first-out” method in warehousing to avoid long-term storage of a certain product, which may otherwise lead to poor dispersion.*
- *Please avoid mixing products of different specifications in usage. In case of such mixing, please turn to our technical staff for help.*
- *The temperature and humidity of the product should be conditioned to be close or equal to the ambient temperature and humidity before use. And the ambient temperature and humidity should be properly controlled during the use, where it is recommended to keep the temperature at 15°C-30°C and humidity at 60% ± 15%.*

产品防护建议 *Tips for product protection*

- 产品使用时注意防护，避免产品擦毛、变形、损伤等情况。
- 产品拆开后建议尽快使用，未使用完的产品建议内衬袋重新扎紧并做好防护，降低污染风险。
- *Care should be taken when using the product to prevent it from scratch, deformation or damage.*
- *The product should be used as soon as possible after having been unpackaged. For the unused part of the product, the inner lining should be installed back and tightened again and protective measures should be taken to avoid the risk of contamination.*

生产安全建议 *Tips for safety production*

- 接触玻璃纤维产品时，对玻璃纤维敏感者建议穿戴 PVC 或橡胶类手套，防止出现皮肤过敏。
- 搬运玻璃纤维产品时，建议穿戴劳保鞋，防止产品掉落砸伤脚面。
- *People who are allergic to glass fiber product are advised to wear PVC or rubber gloves when handling the product to prevent harm to skin.*
- *When carrying the glass fiber product, it is recommended to wear protective shoes to prevent the product from falling and injuring the foot.*

装卸贮存建议 *Tips for product handling and storage*

- 在没有特殊要求的情况下，玻璃纤维产品应贮存在干燥、阴凉的地方，防止受潮。最佳存储条件为温度 -10℃ ~ 35℃，相对湿度≤80%。为确保安全，避免损坏产品，托盘的堆码高度不应超过三层。当堆放两层或三层高时，要求正确地、平稳地移动上面的托盘。
- 液压车和叉车在装卸铲运过程中，叉齿之间的距离应尽量放宽至托盘的进叉口外缘，进叉深度应大于整个托盘深度的 2/3 以上，进叉深度不要超出托盘深度，防止叉车叉角破坏前面的托盘包装及包装里面的货物。
- 在场地允许的情况下，不同货物其规格或尺寸不相同，应根据不同品种、等级、批次等因素多货物分开堆码，以便收发、保管。货垛的高度要适度，不能压坏底层货物和地坪，并与屋顶、照明灯保持一定距离为宜。
- *Unless otherwise specified, the fiberglass products should be stored in a dry, cool and moisture proof area. The best temperature and humidity should be maintained at -10°C ~ 35°C and ≤80% respectively. To ensure safety and avoid damage to the product, the pallets should be stacked not more than three layers high. When the pallets are stacked in two or three layers, special care should be taken to correctly and smoothly move the upper pallet.*
- *During the loading and unloading operations, the distance between the forks should be widened to match the outer edges of the pallet's entry slots. The insertion depth should exceed two-thirds of the entire pallet depth but must not extend beyond the pallet's full depth. This prevents the fork tips from damaging the adjacent pallet and its contained products.*
- *Categorized Stacking Requirements: Where space permits, separate products by specifications, categories, grades, or batches for efficient storage and retrieval; stack heights must not compromise the integrity of bottom-layer goods or the floor surface; maintain adequate clearance from ceilings and lighting fixtures.*

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