

產品說明

Product Description

縫編復合氈

Stitch Combo Mat

縫編復合氈產品適用於不飽和聚酯樹脂、乙烯基樹脂、酚醛樹脂和環氧樹脂等。

該產品廣泛應用於玻璃鋼拉擠成型工藝，手糊成型工藝和樹脂傳遞模塑料工藝等。

縫編復合氈在造船業應用最廣，主要終端產品有：玻璃鋼船體、汽車外殼、板材、冷藏器具、車門和型材等。

Stitch Combo Mat is compatible with polyester, vinyl ester, phenolic and epoxy resins.

The product is widely used in pultrusion, hand lay-up and RTM processes.

The product is used most widely in the boat industry and the typical end-use applications include FRP boat hulls, automotive housings and doors, laminates, cooling apparatus and structural shapes.



縫編復合氈是由無捻粗紗單向平行排列為 0° 、 90° 或 $\pm 45^\circ$ ，再復合一層均勻平鋪的短切原絲，然後用綫圈結構縫合而成的玻璃纖維氈片。

Stitch Combo Mat is a complex mat made by stitching together a layer of rovings consisting of parallel aligned rovings (0° , 90°) or ($\pm 45^\circ$) and a layer of evenly distributed chopped strands.

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產品特點 Product features

產品最大寬度為3300mm(130inch)，强度高，制品的重量輕；纖維平直排列，便于樹脂流動和滲透，能有效的給制品一定方向上提供高強度。纖維之間間隙小，可以降低樹脂用量和提高浸透速度；多層織物一次鋪成，不含任何粘結劑，縫編綫為聚酯綫，簡化了成型工藝，提高了生產效率，降低了成本。

The product has a maximum width of 3300 mm (130inch). The end products feature high strength and light weight. Parallel aligned fibers facilitate resin flow and wet-out and can effectively enhance the strength of the end products in a specific direction. The gaps between fibers are small so that the amount of resin used can be reduced and the wet-out speed increased. The multi-layer mat is stitched together with polyester thread and no binder is used. The product has simplified the manufacture process of the end products resulting in improved productivity and reduced cost.

產品清單 Product List

牌號 Product No.	玻璃 Glass	0° 紗層 0° Roving g/m ²	90° 紗層 90° Roving g/m ²	+45° 紗層 +45° Roving g/m ²	-45° 紗層 -45° Roving g/m ²	短切層 Chopped Strands g/m ²	總面積質量 Overall Density g/m ²
EMK300/600(0,90)	E	336	220	-	-	344	900
EMK300/750(0,90)	E	336	404	-	-	310	1050
EMK500/750(0,90)	E	336	404	-	-	510	1250
EMK105/800(+/-45)	E	-	-	414.06	414.06	Trevira 104.97	946.86
EMK450/800(+/-45)	E	-	-	414.06	414.06	457.73	1299.62
EMK275/800(+/-45)	E	-	-	414.06	414.06	274.64	1116.53
EMK450/600(+/-45)	E	-	-	302.84	302.84	457.73	1077.18
EMK275/600(+/-45)	E	-	-	302.84	302.84	274.64	892.56
EMK 600(+/-45)	E	-	-	302.84	302.84	-	617.92
EMK275/550(+/-45)	E	-	-	227.73	227.73	274.64	741.73
EMK275/1200(0,+/-45)	E	607.60	-	302.84	302.84	274.64	1527.11
EMK450/1200(0,90)	E	607.60	607.60	-	-	457.73	1693.58
EMK305/1200(0,90)	E	607.60	607.60	-	-	305.15	1541.00
EMK150/1200(0,90)	E	607.60	607.60	-	-	152.58	1388.42
EMK 1200(0,90)	E	607.60	607.60	-	-	-	1235.84
EMK275/1080(0,90)	E	607.60	475.82	-	-	274.64	1378.71
EMK150/1080(0,90)	E	607.60	475.82	-	-	152.58	1256.64
EMK450/800(0,90)	E	405.66	405.06	-	-	457.73	1287.74
EMK275/800(0,90)	E	405.66	405.06	-	-	274.64	1104.64
EMK 800(0,90)	E	405.66	405.06	-	-	-	830.01
EMK450/600(0,90)	E	303.80	307.00	-	-	457.73	1086.89
EMK305/600(0)	E	607.6	-	-	-	305.15	933.40
EMK275/600(0,90)	E	303.80	307.00	-	-	274.64	903.79
EMK 600(0,90)	E	303.80	307.00	-	-	-	629.16
EMK275/550(0,90)	E	303.80	247.96	-	-	274.64	844.76
EMK105/550(0,90)	E	303.80	247.96	-	-	101.62	671.74

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技術指標 Technical Parameters

單位面積質量 Density(%)	含水率 Moisture(%)	可燃物含量 Combustible Content(%)	幅寬 Mat Width(%)
ISO 3374	ISO 3344	ISO 1887	ISO 5025
-5/+10	≤ 0.20	± 20	± 3

包裝說明 Packaging

縫編復合氈纏繞在紙管上，外用塑料薄膜包紮好，外面用紙箱或牛皮紙包裝，水平放置。裝入集裝箱時可散裝，也可托盤包裝。

Each Stitch Combo Mat is wound onto a paper tube and then wrapped up with plastic film, which can be packed in a cardboard box or wrapped up with kraft paper. The rolls are to be horizontally placed.

Rolls can be loaded into a container directly or on pallets.

包裝信息 Packaging Parameters

紙管內徑 (Paper tube diameter), mm (in)	73 (2.9)
氈卷直徑 (Roll diameter), mm (in)	260 (10)
氈卷幅寬 (Roll width), mm (in)	80 ~ 3300 (3.2 ~ 130)

每層產品卷數 (Number of rolls per layer)	4 / 3
層數 (Number of layers)	4 / 3
每托產品卷數 (Number of rolls per pallet)	16 / 9

托盤長度 (Pallet length), mm (in)	1030 ~ 3320 (40.5 ~ 130.7)
托盤寬度 (Pallet width), mm (in)	1120 (44)
托盤高度 (Pallet height), mm (in)	1250 (49.2)

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產品包裝重量因規格差異而有所不同，具體參數請諮詢銷售部門。

Package weight depends on product specifications. Please consult with our sales department.

貯存 Storage

在沒有特殊要求的情況下，玻璃纖維產品貯存在干燥、涼爽的地方，防止雨淋。建議24小時保持室內溫度平衡。建議溫度控制在15℃ ~ 35℃，濕度35% ~ 65%。

Unless otherwise specified, fiberglass products should be stored in a dry, cool and rain-proof area. It is recommended that the room temperature and humidity should be always maintained at 15°C-35°C, 35%-65% respectively.

