



DONGYU FIBERGLASS®
Composite materials Solutions

SINCE 1996



品质让合作更久远
**Better Quality,
Better Cooperation**





Founded in 1996. Is a technological type company specialized in fiberglass and FRP products, has staff of 516 people, company has passed the certification of ISO9001, DNV-GL certified etc.
Company's major products including: Fiberglass Roving, Chopped Strand Mat, Tissue, Woven Roving, multiaxial mat, combo mat, fire-proofing blanket, FRP panel, fiberglass mesh and other fiberglass reinforcement materials.
Dongyu Fiberglass products have been exported to nearly 80 countries and regions over the world.
Dongyu will insist on the principle "Better Quality, Better Cooperation", keep on improving, to reach our goal of turning Dongyu into a world famous professional fiberglass composite materials enterprise



DONGYU.NONWOVEN

- ^ Chopped strand mat.
- ^ Nonwoven CSM.
- ^ Surface tissue.
- ^ Roofing tissue.
- ^ Continuous mat

DONGYU.WOVENS

- ^ Woven roving.
- ^ Fabrics.
- ^ Fire blanket.
- ^ Fiberglass mesh.
- ^ Carbon fabric.

DONGYU.COMBOMAT

- ^ Woven Roving CSM.(ESM)
- ^ EBX / ELT / EQX / EUD.
- ^ Stitch mat. (EMK)
- ^ Core mat.
- ^ RTM mat

DONGYU.ROVING & YARN.

- ^ Direct roving.
- ^ Spray up roving.
- ^ SMC roving.
- ^ AR Glass roving.
- ^ Yarn.

DONGYU.STRANDS.

- ^ Wet Chopped Strands
- ^ For Thermoplastics
- ^ For PP

DONGYU.FRP.

- ^ FRP Panel.
- ^ FRP pipe.
- ^ FRP Car roofing.
- ^ FRP Base.



**FIBERGLASS NONWOVEN
RANGE
SELECTOR GUIDE**

东宇-无纺系列产品



FIBERGLASS CHOPPED STRAND MAT

→ E-GLASS CHOPPED STRAND MAT

E-glass Chopped Strand Mats are non-woven fabrics consisting of randomly distributed chopped strands held together with a powder or emulsion binder.

Chopped Strand Mat is compatible with unsaturated polyester, vinyl ester, epoxy and phenolic resins.

The products are most widely used in hand lay-up process and can also be used in filament winding, Compression molding and continuous laminating processes. The typical end-use applications include various panels, boats, FRP roofing sheet, Automotive parts, bathroom equipment and cooling towers.

玻璃纤维短切毡是由玻璃纤维原丝经过短切后，随机无定向均匀分布，然后用粉末或乳液粘结剂粘合在一起而制成片状毡片。

短切毡适用于增强不饱和聚酯，乙烯基树脂，环氧树脂和酚醛树脂等。

短切毡广泛应用于玻璃钢手糊工艺和缠绕工艺，也用于模压、连续层压、轿车等工艺。主要终端产品有各种板材，船艇，模特衣架，汽车部件，浴室成套设备和冷却塔等。

→ PRODUCTION RANGE

产品编号 Production No	粘结剂类型 Binder type	密度 Density (g/m ²)	幅宽 Roll Width(mm)	适用树脂 Resin Compatibility	应用 Applications
M211	Powder	150/180/225/300 375/450/600/900	Normal:1040/1250 Range:50 ~ 3300	UP,VE,EP	General Purpose
M212	Powder	225/300/370/450/600	Normal:1040/1250 Range:50 ~ 3300	UP,VE,EP	FRP Transparent Roofing Sheets
M216	Powder	225/300/370/450/600	Normal:1040/1250 Range:50 ~ 3300	UP,VE,EP	Hand lay-up
M218	Powder	80/100/110/120/135	Normal:1350/1680 Range:50 ~ 3300	PU	Automotive Headliner
M221	Emulsion	150/180/225/300 375/450/600/900	Normal:1040/1250 Range:50 ~ 3300	UP,VE,EP	General Purpose
M222	Emulsion	150/180/225/300 375/450/600/900	Normal:1040/1250 Range:50 ~ 3300	UP,VE,EP	RTM
M226	Emulsion	225/300/370/450/600	Normal:1040/1250 Range:50 ~ 3300	UP,VE,EP	Hand lay-up
M228	Emulsion	80/100/110/120/135	Normal:1350/1680 Range:50 ~ 3300	PU	Automotive Headliner

→ PRODUCT FEATURES

Uniform density ensures mechanical properties of the composites products.

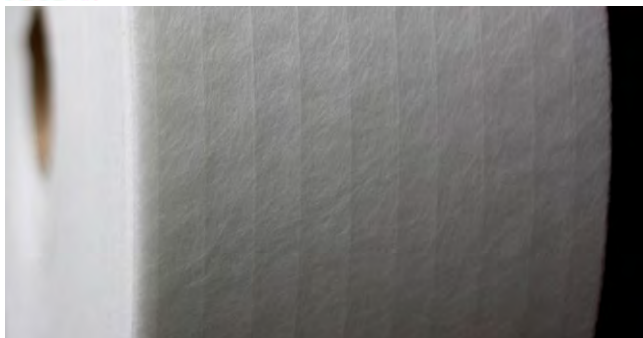
Excellent flexibility ensures good moldability with no spring-back at sharp corners.

Fast and consistent wet-out speed in resins and rapid air release reduce resin consumption.

The composite products have high dry and wet tensile strength and good transparency.

→ PACKING

Each product is wound onto a paper tube which has an inside diameter of 76mm. The roll outside diameter is approximately 275mm. Each roll is wrapped up in plastic film and then packed in a cardboard box. The carton are stacked horizontally or vertically onto pallets. All pallets are stretch wrapped and strapped to maintain stability during transport.



FIBERGLASS TISSUE

SURFACE TISSUE
ROOFING TISSUE

→ FIBERGLASS SURFACE TISSUE

Fiberglass surface mat is mainly used for the surface layer of fiberglass products. Divided into specific wound type S-BM (w) series, hand lay-type S-BM (H) series and pultrusion type S-BM (P) series of three categories.

玻璃纤维表面毡主要用于玻璃钢制品的表面层中。具体分为缠绕型S-BM(w)系列、手糊型S-BM(H)系列和拉挤型S-BM(P)系列三大类。

PRODUCTION RANGE

产品编号 Production No	粘结剂含量 Gum content (%)	密度 Density (g/m ²)	幅宽 Roll Width(mm)	纵向拉伸强度 (N/5cm) Longitudinal tensile strength	含水率 (%) Moisture content (%)
S-BM(W)-30	7	30	Normal:1000 Range:50 ~ 3000	≥30	≤0.5
S-BM(W)-50	7	50	Normal:1000 Range:50 ~ 3000	≥50	≤0.5
S-BM(W)-30	6	30	Normal:1000 Range:50 ~ 3000	≥25	≤0.5
S-BM(W)-50	6	50	Normal:1000 Range:50 ~ 3000	≥40	≤0.5
S-BM(W)-90	8	90	Normal:1000 Range:50 ~ 3000	≥200	≤0.5

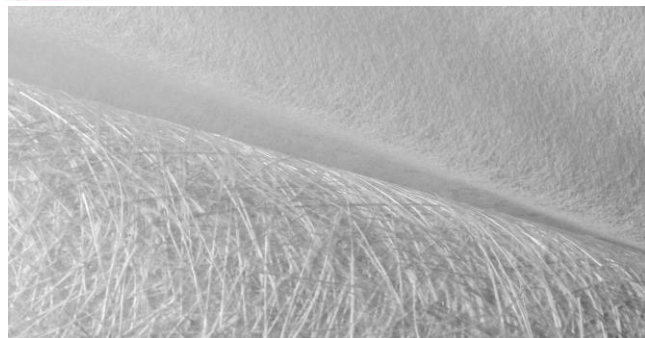
→ FIBERGLASS ROOFING TISSUE

Fiberglass roofing felt is making SBS, good child-APP modified bitumen membrane and colored asphalt shingles, and because the entire longitudinal reinforcement mats to fully enhance the longitudinal and transverse tensile strength felt tear strength .

玻璃纤维屋面毡是制做SBS、APP改性沥青防水卷材和沥青瓦的良好胎基，并且由于整幅毡的纵向加筋，充分提高了纵向拉伸强度和横向抗撕裂强度。

→ PRODUCTION RANGE

产品编号 Production No	粘结剂含量 Gum content (%)	密度 Density (g/m ²)	幅宽 Roll Width(mm)	纵向拉伸强度 (N/5cm) Longitudinal tensile strength	横向拉伸强度 (N/5cm) transverse tensile strength
S-WM-50	18	50	Normal:1000 Range:50 ~ 3000	≥170	≥100
S-WM-60	18	60	Normal:1000 Range:50 ~ 3000	≥180	≥120
S-WM-90	20	90	Normal:1000 Range:50 ~ 3000	≥350	≥220
S-WM-45/T15/30	18	45	Normal:1000 Range:50 ~ 3000	≥200	≥60
S-WM-50/T15/30	20	50	Normal:1000 Range:50 ~ 3000	≥220	≥80
S-WM-60/T15/30	20	60	Normal:1000 Range:50 ~ 3000	≥240	≥100
S-WM-90/T15/30	20	90	Normal:1000 Range:50 ~ 3000	≥400	≥200



NONWOVEN CSM COMBO MATS

无纺布和短切毡复合

→ NONWOVEN CSM COMBO MATS

Non-Woven CSM Combo Mats is a kind of new compound material, which is combined with Non-Woven Fabric and CSM through high temperature. The product is widely used in variety of FRP products. Such as decorating panel, car and train interior parts, Cablewrapping, boats and Recreational facilities. Etc.

It has high tensile strength, can fit to variety kinds of pultrusion crafts, products being produced with it can be smooth and beautiful on surface.

无纺布短切毡复合毡是一种新型复合材料，涤纶无纺布与玻璃纤维原丝毡经过高温复合而成。广泛应用于各种玻璃钢型材。比如：装饰板材，汽车火车内饰件，电缆包扎，船舶和游乐设施等。

产品拉力强度高，能满足各种挤拉型材工艺，生产的产品表面光洁、平整、美观。

PRODUCTION RANGE

产品编号 Production No	粘结剂含量 Gum content (%)	密度 Density (g/m ²)	幅宽 Roll Width(mm)	纵向拉伸强度 (N/5cm) Longitudinal tensile strength	含水率 (%) Moisture content (%)
MNC200/40	4±1	240	Normal:1040 Range:50 ~ 3000	≥200	≤0.5
MNC300/40	4±1	340	Normal:1040 Range:50 ~ 3000	≥260	≤0.5
MNC450/40	4±1	490	Normal:1040 Range:50 ~ 3000	≥330	≤0.5
MNC600/40	4±1	640	Normal:1040 Range:50 ~ 3000	≥420	≤0.5
MNC40/200/40	4±1	280	Normal:1040 Range:50 ~ 3000	≥260	≤0.5
MNC40/300/40	4±1	380	Normal:1040 Range:50 ~ 3000	≥320	≤0.5
MNC40/450/40	4±1	530	Normal:1040 Range:50 ~ 3000	≥390	≤0.5
MNC40/600/40	4±1	680	Normal:1040 Range:50 ~ 3000	≥510	≤0.5



**FIBERGLASS ROVING
RANGE
SELECTOR GUIDE**

东宇-纱系列产品



FIBERGLASS ASSEMBLED ROVING

SPRAY UP ROVING / PANEL ROVING / SMC ROVING.

→ ASSEMBLED ROVING FOR SPRAY-UP

Assembled Roving for spray-up is compatible with UP and VE resins.

It delivers properties of low static, excellent dispersion, and good wet out in resins.

It covers a wide range of applications: bathtub, FRP boat hulls, various pipes, storage vessels and cooling towers.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
180	2400、3460、4800	UP,VE	Bathtub, FRP boat hull
172	2400、3460、4800	UP,VE	Bathtub, supporting components
178	2400、3460、4800	UP,VE	Bathroom equipment, yacht components
170	2400、3460、4800	UP,VE	Swimming pool, bathtub

→ PANEL ROVING

Assembled Panel Roving is coated with a silane-based sizing compatible with UP. It can wet out fast in resin and deliver excellent dispersion after chopping.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
528S	2400	UP	transparent panel
872	24,004,800	Unsaturated polyester, acrylic resin	High transparency panel

→ ASSEMBLED ROVING FOR SMC

Assembled Roving for SMC is compatible with unsaturated polyester, vinyl ester resin, delivering good dispersion after chopping, low fuzz, fast wet out and low static.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
440	2400、4392、4800	UP,VE	Truck parts, water tanks, door sheet and electrical parts
442C	2400、4392、4800	UP,VE	Ceiling tiles, door sheet



FIBERGLASS ASSEMBLED ROVING

ASSEMBLED ROVING FOR CSM / FOR GYPSUM/CENTRIFUGAL CASTING

→ ASSEMBLED ROVING FOR CSM

Assembled Roving for produce chopped strand mat.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
512	2400	UP,VE,EP	manufacture general CSM
516	2400	UP,VE,EP	manufacture low grammage CSM
518	2400	UP,VE,EP	chopped strands mat with moderate bonding with resin
520	2400	UP,VE,EP	Stitched mat

→ ASSEMBLED ROVING FOR GYPSUM

Assembled roving for gypsum is specially designed to reinforce for gypsum. It is chopped into a specific length, then mixed with gypsum, starch powder and accelerating agent to form a light weight construction boards, delivering good choppability, low static and high strength of end products.

PRODUCTION RANGE

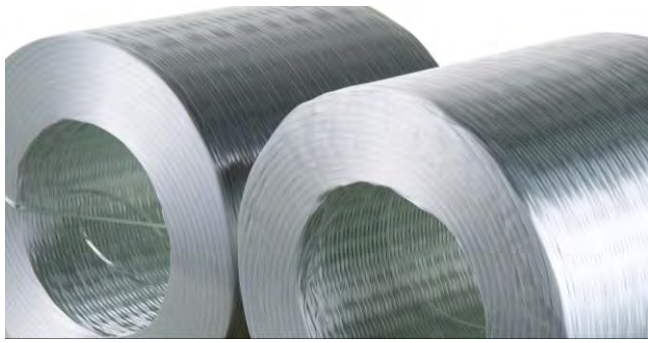
产品编号 Production No	密度 Density (g/m ²)	应用 Applications
514	2400	Gypsum boards

→ ASSEMBLED ROVING FOR CENTRIFUGAL CASTING

Assembled Roving for Centrifugal Casting is coated with silane-based sizing, compatible with UP resin, delivering excellent choppability and dispersion, low static , fast wet out, and excellent mechanical properties of the composite products.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
622	240、4800	UP	Centrifugal casting pipe



FIBERGLASS DIRECT ROVING

Direct Roving for Filament winding
Direct Roving for Pultrusion
Direct Roving for weaving

→ DIRECT ROVING FOR FILAMENT WINDING

Direct Roving for Filament winding, is compatible with unsaturated polyester, polyurethane, vinyl ester, epoxy and phenolic resins.

Main uses include manufacture of FRP pipes of various diameters, high-pressure pipes for petroleum transitions, pressure vessels, storage tanks, and, insulation materials such as utility rods and insulation tube.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
386	200, 300, 600, 1200, 2400, 4800, 9600	UP,VE,EP	FRP pipes and storage tanks
386T	200, 300, 600, 1200, 2400, 4800, 9600	UP,VE,EP,phenolic resin	Storage tanks and medial-pressure FRP pipes for water transmission and chemical corrosion used as reinforcement or pressure vessel and high- and medial- pressure resistance FRP pipe for water transmission
318	300, 600, 735, 1200, 2000, 2400	Epoxy resin	

→ DIRECT ROVING FOR PULTRUSION

Direct Roving for Pultrusion is compatible with unsaturated polyester, vinyl ester, epoxy and phenolic resins, and is widely used in building & construction, telecommunication and insulator industry.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
316	300, 600, 1200	Vinyl ester	Used to manufacture optic cable
386T	200, 300, 600, 1200, 2400, 4800, 9600	UP,VE,EP,phenolic resin	Storage tanks and medial-pressure FRP pipes for water transmission and chemical corrosion
312	1200, 2400, 4400, 4800, 8800, 9600	Unsaturated polyester, vinyl ester and epoxy resins	manufacture various sectional bars
310T	2400, 4800, 9600	Epoxy resin	Insulation rods and insulation stanchions

→ DIRECT ROVING FOR WEAVING

Direct Roving for weaving is compatible with unsaturated polyester, vinyl ester and epoxy resins.

Its excellent weaving property makes it suited for fiberglass product, such as roving cloth, combination mats, stitched mat, multi-axial fabric, geotextiles, molded grating.

The end-use products are widely used in building & construction, wind power and yacht applications.

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	适用树脂 Resin Compatibility	应用 Applications
386	200, 300, 600, 1200, 2400, 4800, 9600	UP,VE,EP	FRP pipes and storage tanks
386T	1200, 2400	UP,VE,EP,phenolic resin	Storage tanks and medial-pressure FRP pipes for water transmission and chemical corrosion
312	100, 136, 200, 275, 300	UP,VE,EP	Suitable in manufacture of light weight roving cloth and multiaxial fabric



FIBERGLASS YARN

→ FIBERGLASS YARN.

Dongyu supply fiberglass yarn with excellent electric resistance, high tensile strength, excellent dimensional stability, corrosion and heat resistance, glass fiber yarn is widely used in electronic products and produced as reinforcements in industrial applications. We offers following yarn styles: G37 1/0, G75 1/0, G150 1/0 and plied and twisted yarns such as G37 1/2, G75 1/3, G150 1/2, etc.

玻璃纤维细纱产品分为初捻细纱、并捻细纱、膨体细纱及直接细纱。数百根玻璃纤维原纱经一次加捻，称为初捻纱，二根或多根初捻纱经过二次加捻合并形成并捻纱，多根初捻纱通过平行合股的方式可加工成合股细纱，初捻纱、并捻纱、合股细纱或者粗纱通过膨化的方式可加工成膨体纱，不经过捻线工艺的细纱，外观同直接纱形式的，称为直接细纱。

PRODUCTION RANGE

Single Yarn		
产品类型 (英制) Product Code (English System)	密度 Density (tex)	净重(公斤/纱管) Net Weight (Kg/Bobbin)
EC DE150 1/0 0.7Z	34	3.62
EC DE75 1/0 0.7Z	68	3.62/4.5/7.4
EC DE37 1/0 0.7Z	136	3.52
EC E110 1/0 1.0Z	45	7.27
EC G150 1/0 0.7Z (0.5Z)	34	3.62
EC G75 1/0 0.7Z (0.5Z)	68	8.6/3.6/4.09
EC G67 1/0 0.7Z	74	8.1
EC G37 1/0 0.7Z (0.5Z)	136	8.6
EC G25 1/0 0.7Z	204	7.5
EC H37 1/0 0.7Z	136	8.49
EC H25 1/0 0.7Z	204	7.5
EC H12 1/0 0.7Z	408	7.5
EC K37 1/0 0.7Z	136	8.6
EC K18 1/0 0.7Z	272	8.6

Plied Yarn		
产品类型 (英制) Product Code (English System)	密度 Density (tex)	净重(公斤/纱管) Net Weight (Kg/Bobbin)
EC 4 34×1×3 S150(S120)	101.1	3.6
EC 4 34×1×6 S150(S120)	202.2	3.6
EC 5 11×1×2 S180	22.4	1.81
EC 5 11×1×3 S180	33.6	2.01
EC 6 34×1×2 S100	68	3.6
EC 6 34×1×4 S100	136	3.6
EC 6 68×1×2 S112(S152)	136	3.6
EC 6 136×1×2 S112(S152)	272	3.6
EC 6 136×1×3 S112(S152)	408	3.6
EC 6 136×1×4 S112(S152)	544	3.6
EC 7 22×1×2 S100(S152)	45	3.6
EC 7 22×1×3 S100(S152)	67.5	3.6
EC 9 34×1×3 S100(S112)(S152)	102	3.6
EC 9 34×1×4 S100(S112)(S152)	136	3.6
EC 9 68×1×3 S100(S112)(S152)	206	3.6



**FIBERGLASS WOVEN
RANGE
SELECTOR GUIDE**

东宇-纺织系列产品



FIBERGLASS INDUSTRIAL FABRIC

→ INDUSTRIAL FABRIC

We mainly produce 0.03mm-1.3mm series thickness of the industrial fabric, specifications can be adjusted according to customer needs. We can increase the strength of 20% according to customer strength performance of special requirements. Industrial cloth can be used for coating cloth, coated PTFE, silicone, PVA, such as 1528, 7577, can also be used in aviation equipment, such as 7581, 7781, 1581; used in fire protection, protective cloth, such as 3784, 3788 and other varieties.

我们主要生产0.03mm-1.3mm系列厚度的工业布，规格可以根据客户需求调整。我们也可以根据客户对强度性能的特殊要求，提高强度20%左右工业布可以用于涂层布，涂覆PTFE、硅胶、PVA等，如1528、7577；也可用于航空器材方面，如7581、7781、1581；可用于防火、防护用布，如3784、3788等品种。

PRODUCTION RANGE

产品编号 Production No	经纱 Warp	纬纱 Weft	经纬密(根/inch) Thread count (/inch)	密度 Density (g/m ²)	厚度 Thickness (mm)	织造工艺 Weaving
106	D900 1/0	D900 1/0	56*56	25	0.035	Plain
112	G150 1/0	G150 1/0	60*52	151	0.240	Plain
113	D450 1/2	D900 1/2	60*64	86	0.095	Plain
116	D450 1/2	D450 1/2	60*58	110	0.100	Plain
128	E225 1/3	E225 1/3	44*31	203	0.175	Plain
141	G75 1/2	G75 1/2	32*22	295	0.265	Plain
1080	D450 1/0	D450 1/0	60*47	48	0.065	Plain
1086	D450 1/0	D450 1/0	60*60	128	0.060	Plain
1161	D450 1/0	E110 1/0	100*48	130	0.133	Plain
1165	D450 1/2	G150 1/0	60*53	122	0.125	Plain
1528	G150 1/2	G150 1/2	44*32	210	0.180	Plain
2000	G37 1/0	G37 1/0	23*23	246	0.200	Plain
2001	G75 1/2	G75 1/2	32*30	330	0.260	Plain
2113	E225 1/0	D450 1/0	60*56	79	0.080	Plain
2116	E225 1/0	E225 1/0	60*57	105	0.096	Plain
3732	G37 1/0	G37 1/0	46*33	425	0.310	4HS
3784	G37 1/2	G37 1/2	46*35	875	0.670	8HS
3788	G37 1/4	G37 1/4	44*33	1700	1.230	12HS
7628	G75 1/0	G75 1/0	44*33	210	0.180	Plain
7630	G67 1/0	G67 1/0	44*31	225	0.220	Plain
7638	G75 1/0	G37 1/0	44*25	290	0.265	Plain

**COMBO MAT. MULTI-AXIAL
MAT RANGE
SELECTOR GUIDE**

东宇-复合毡和多轴向系列





WOVEN ROVING COMBO MAT

ESM

→ WOVEN ROVING COMBO MAT

E-Glass Woven Roving Combo Mat is a complex mat made by stitching together woven roving and a layer of distributed chopped strand. Its main specification is woven roving (300g/m²~900g/m²) with chopped strands (50g/m²~500g/m²). The product has a maximum width of 110 inches. This product can be used for boat manufacturing.

无碱玻璃纤维无捻粗纱布缝编复合毡是玻璃纤维无捻粗纱布外加一层玻璃纤维短切原丝缝编而成的复合织物。主要规格有：玻璃纤维无捻粗纱布（300g/m²-900g/m²），加玻璃纤维短切原丝层（50g/m²-500g/m²），产品最大幅宽可达110英寸。目前此产品主要用于制作游艇等。

PRODUCTION RANGE

产品编号	总克重	无捻粗纱布克重	短切原丝克重	涤纶丝克重
Production No	Overall Density (g/m ²)	WR Density (g/m ²)	Chop Density (g/m ²)	Yarn Density (g/m ²)
ESM1808	896.14	612	274.64	9.5
ESM1810	926.65	612	305.15	9.5
ESM1815	1080.44	612	457.73	10.71
ESM2408	1132.35	847	274.64	10.71
ESM2410	1162.86	847	305.15	10.71
ESM2415	1315.44	847	457.73	10.71
ESM2430	1762.71	847	900	15.71



FIBERGLASS STITCHED MAT

EMK

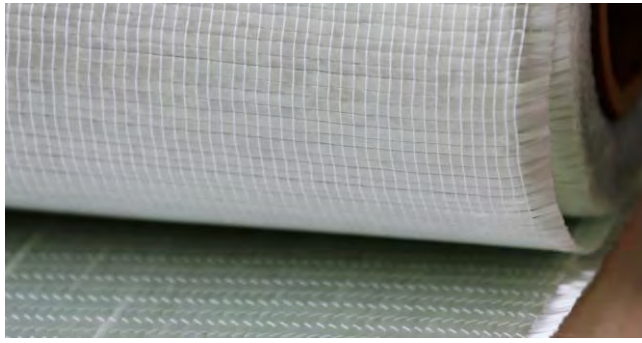
→ FIBERGLASS STITCHED MAT

E-Glass Stitched Chopped Mat (300g/m²~900g/m²) is made by chopping continuous strands into chopped strands and stitching them together. The product has a maximum width of 110 inches. This product can be used in manufacturing boat manufacturing and tubes.

无碱玻璃纤维缝编短切原丝毡是单层玻璃纤维短切原丝经缝编而成的织物。主要规格有：玻璃纤维短切原丝层300g/m²-900g/m²，产品最大幅宽可达110英寸。此产品主要用于制作各类游艇、管道等。

PRODUCTION RANGE

产品编号	总克重	短切原丝克重	涤纶丝克重
Production No	Overall Density (g/m ²)	Chop Density (g/m ²)	Yarn Density (g/m ²)
EMK300	309.5	300	9.5
EMK380	389.5	380	9.5
EMK450	459.5	450	9.5
EMK600	609.5	600	9.5
EMK900	909.5	900	9.5



STITCHED COMBO MAT

ELT: 0°(ROVING) + 90°(ROVING)

ELTMC: 0°(ROVING) + 90°(ROVING) + CHOPED STRANDS

双轴向织物系列

→ E-LT series mat.

Two layers of roving(400g/m²-1250g/m²) are aligned at 0°/90° with or without a layer of chopped strands (0g/m²-500g/m²). The product has a maximum width of 100 inches. This product can be used for manufacturing boats, cases and shell of car.

双层玻璃纤维无捻粗纱(400g/m²-1250g/m²),排列角度0°/90°,可选加短切原丝层(0g/m²-500g/m²),产品最大幅宽可达110英寸。此产品主要制作游艇、各类箱体、汽车外壳等。

PRODUCTION RANGE

产品编号 Production No	总克重 Overall Density (g/m ²)	0° Layer 0° Density (g/m ²)	90° Layer 90° Density (g/m ²)	短切原丝克重 Chop Density (g/m ²)	涤纶丝克重 Yarn Density (g/m ²)
ELTC1800	629.16	303.8	307	/	18.36
ELTMC1808	903.8	303.8	307	274.64	18.36
ELTC2400	825.48	405.66	401.46	/	18.36
ELTMC2408	1101.04	405.66	401.46	274.64	19.28
ELTMC2415	1284.13	405.66	401.46	457.73	19.28



UNIDIRECTIONAL FABRIC

E-T: 90°

E-UDL: 0°

单向布系列

→ UNIDIRECTIONAL FABRIC

Unidirectional fabric include 0° unidirectional fabric and 90° unidirectional fabric. The density of 0° unidirectional mats is 300g/m²-900g/m² and the density of 90° unidirectional mats is 150g/m²-1200g/m². This product is mainly used in making tubes and blades of wind power turbines.

单向向产品分为0°方向单向向产品和90°方向单向向产品。0°方向单向向产品的克重范围在300g/m²-900g/m²。90°方向单向向产品的克重范围在150g/m²-1200g/m²。此产品主要用于制作管道。

PRODUCTION RANGE

产品编号 Production No	总克重 Overall Density (g/m ²)	0° Layer 0° Density (g/m ²)	90° Layer 90° Density (g/m ²)	涤纶丝克重 Yarn Density (g/m ²)
E-T210	213.46	/	208.61	4.85
E-T300	291.69	/	286.44	5.25
E-T400	405.2	/	399.95	5.25
E-T600	603.04	/	597.79	5.25
E-UDL450	475.84	402.36	55.12	18.36
E-UDL500	487.65	402.36	66.93	18.36
E-UDL600	602.99	566.93	27.56	8.5



STITCHED COMBO MAT

EBX: +45°(ROVING) -45°(ROVING)

EBXMC: +45°(ROVING) -45°(ROVING) + CHOPED STRANDS

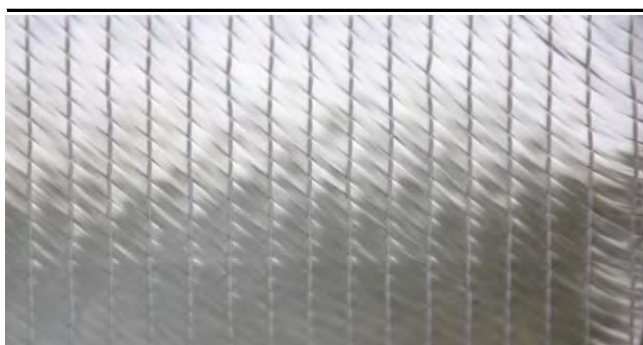
→ E-BX series mat.

Two layers of roving(450g/m²-850g/m²) are aligned at +45°/-45° with or without a layer of chopped strands (0g/m²-500g/m²). The product has a maximum width of 100 inches. This product is used in boat manufacturing.

双层玻璃纤维无捻粗纱 (450g/m²-850g/m²)，排列角度+45°/-45°，可选加短切原丝层 (0g/m²-500g/m²)，产品最大幅宽可达100英寸。此产品主要用于制作游艇。

PRODUCTION RANGE

产品编号 Production No	总克重 Overall Density (g/m ²)	+45° Layer +45° Density (g/m ²)	-45° Layer -45° Density (g/m ²)	短切原丝克重 Chop Density (g/m ²)	涤纶丝克重 Yarn Density (g/m ²)
E-BX300	306.01	150.33	150.33	/	5.35
E-BX450	456.33	225.49	225.49	/	5.35
E-BX600	606.67	300.66	300.66	/	5.35
E-BX450/225	681.33	225.49	225.49	225	5.35
E-BX600/225	830.75	300.2	300.2	225	5.35



TRI-AXIAL FABRIC SERIES

E-TTX: +45°90°-45°

E-TLX: 0°+45°-45°

→ TRI-AXIAL FABRIC SERIES

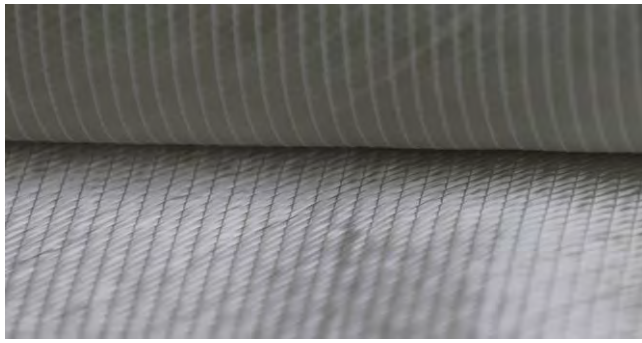
The general direction of this product series are 0°/+45°/-45° and +45°/90°/-45°, also the directions can be randomly changed from ±30°to ±80°. The fabric weight is 450g/m² ~ 2000g/m², and chop mat with 50 ~ 500g/m² or non-woven fabric can be stitched under the layers. The maximum width is up to 101 inches.

The main usages are wind blades, boats, transportation and sport goods

三轴向产品分为 0°/+45°/-45°方向产品和+45°/90°/-45°方向产品。轴向可以调整±30°to ±80°。产品的克重范围在450g/m²-2000g/m²。短切层产品的克重范围在50g/m²-500g/m²。此产品主要用于风电，造船等。

PRODUCTION RANGE

产品编号 Production No	Overall Density g/m ²	0° Layer 0° Density (g/m ²)	+45° Layer +45° Density (g/m ²)	-45° Layer -45° Density (g/m ²)	90° Layer 90° Density (g/m ²)	Yarn Density g/m ²
E-TLX750	742.67	236.22	250.55	250.55	/	5.35
E-TLX1180	1172.42	661.42	250.5	250.5	/	10
E-TLX1850	1856.86	944.88	450.99	450.99	/	10
E-TTX700	707.23	/	250.55	250.55	200.78	5.35
E-TTX800	813.01	/	400.88	400.88	5.9	5.35
E-TTX1200	1212.23	/	400.88	400.88	405.12	5.35



QUAD-AXIAL FABRIC SERIES

QX: 0° +45° -45° 90°

四轴向织物系列

→ QUAD-AXIAL FABRIC SERIES

The general direction of this product series are 0°/+45°/-45° / 90°.The normal fabric weight is 300g/m²~2100g/m²,and chopped strand mat with 50~500g/m² or non-woven fabric can be stitched under the layer. The maximum width is around 101 inches. The main usages are wind turbine blades, boats, transportation and sport goods

四轴向产品为0°/+45°/-45° 90°方向产品。产品的克重范围在300g/m²-2100g/m²。短切层产品的克重范围在50g/m²-500g/m²。此产品主要用于风电，造船等。

PRODUCTION RANGE

产品编号 Production No	Overall Density g/m ²	0° Layer 0° Density (g/m ²)	+45° Layer . +45° Density (g/m ²)	-45° Layer . -45° Density (g/m ²)	90° Layer 90° Density (g/m ²)	Yarn Density g/m ²
EQX600	601.35	144.69	150.33	150.33	150	6
EQX800	814.43	202.56	200.44	200.44	200.79	10.2
EQX1000	979.97	236.22	250.59	250.59	236.22	6.35
EQX1200	1208.93	301.18	300.7	300.7	300	6.35



SANDWICH RTM PP CORE MAT

夹芯复合毡

→ SANDWICH RTM PP CORE MAT

Dongyu strives to develop and innovate this product range. Products system also has been updated and became stronger with development of new technology. Here our prime products is reinforced composite mat which combines 3 or 2 layers glass fiber with 1 or 2 layers of pp flow fiber. We also add 1 layer polyester surfacing mat on the sandwich core mat to form integrity glabrous mat. This new product is suitable for RTM, VARTM, light RTM, VARTM relevant technology.

Applications: Autos, yachts&boats, railways, nacelle covers,etc.

夹芯复合毡由合成纤维制的无纺芯材，在其两侧缝合下班纤维表面材料而成，下班纤维表面材料可选用短切原丝、连续原丝毡、无捻组纱布或双向向缝编布。产品可适用于树脂传递模塑成型（RTM）真空袋成型，模压成型，注射成型及SRIM等成型工艺。

PRODUCTION RANGE

产品编号 Production No	Overall Density g/m ²	Mat Layer Density (g/m ²)	PP Layer Density (g/m ²)	Mat Layer Density (g/m ²)	Yarn Density g/m ²
MNM300/180/300	796	300	180	300	16
MNM300/250/300	866	300	250	300	16
MNM450/180/450	1096	450	180	450	16
MNM450/250/450	1166	450	250	450	16
MNM600/250/600	1466	600	250	600	16



**FIBERGLASS CHOPPED STRANDS
RANGE
SELECTOR GUIDE**

东宇-玻璃纤维短切颗粒系列



FIBERGLASS CHOPPED STRANDS

玻璃纤维短切

Chopped Strands for Thermoplastics
Chopped Strands for BMC

→ CHOPPED STANDS FOR THERMOPLASTICS

Chopped Strands for Thermoplastic are based on silane coupling agent and special sizing formulation, compatible with PA,PBT/PET, PP, AS/ABS, PC, PPS/PPO,POM, LCP;

E-Glass Chopped Strands for thermoplastic are know for excellent strand integrity, superior flowability and processing property, delivering excellent mechanical property and high surface quality to its finished product.

热塑性塑料用无碱玻璃纤维短切原丝采用硅烷基偶联剂、专用浸润剂配方，与PA、PBT/PET、PP、AS/ABS、PC、PPS、PPO、POM、LCP等基体树脂具有良好的相溶性，具有优良的集束性和流动性，良好的成型加工性能，可赋予复合材料优异的机械性能和表面状态。

PRODUCTION RANGE

产品编号 Production No	适用树脂 Resin Compatibility	产品特点 Product Features
560A	PA6/PA66/PA46	Standard product
508A	PP/PE	Standard product, good color
510	PC	Standard product, excellent mechanical properties, good color
508H	PP/PE	Excellent detergent resistance
568H	PA6/PA66/PA46/HTN/PPA	Excellent glycol resistance and high temperature resistance and fatigue resistance
534A	PBT/PET/ABS/AS	Standard product
584	PPS/LCP	Excellent hydrolysis resistance and low quantity of flue gas

→ CHOPPED STANDS FOR BMC

Chopped Strands for BMC are compatible with unsaturated polyester, epoxy resin and phenolic resins.

The end-use applications include transportation, building & construction, electronic & electrical, mechanical, and light industry.

BMC用无碱玻璃纤维短切原丝适用于增强不饱和树脂、环氧树脂和酚醛树脂。BMC模压制品广泛应用于交通、建筑、电气、化工、轻工等多个行业

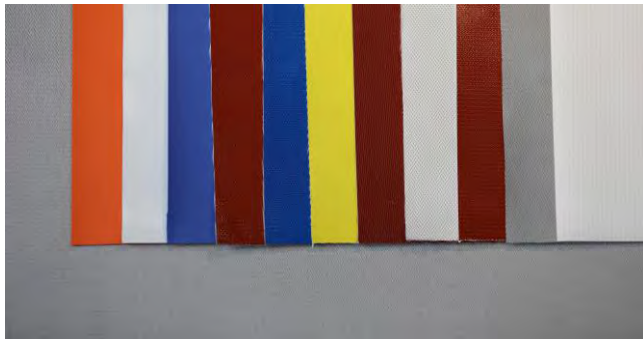
PRODUCTION RANGE

产品编号 Production No	适用树脂 Resin Compatibility	产品特点 Product Features
562A	Unsaturated polyester, vinyl ester and epoxy resins	Extremely low resin demand, delivering low viscosity to BMC paste
552B	Unsaturated polyester, vinyl ester and epoxy resins	High impact strength; High LOI rate
558	Rubber and Phenolic resin	Good strand integrity, low static and fuzz, Fast and uniform distribution in resins

HIGH-TEMPERATURE RESISTENT FABRIC
RANGE
SELECTOR GUIDE

东宇-
耐高温玻纤布和灭火毯系列





COATED FABRIC

玻璃纤维涂层织物

→ COATED FABRIC.

Dongyu® offers over 20 standard coatings, treatments, and laminates that can be applied to most of our high temperature fabrics to meet the performance requirements of your application. Select from coatings and laminates to boost resistance to vapor, weathering, oil, water, chemical attack, abrasion wear, flexural fatigue and UV radiation, or from treatments that improve handling and ease of fabrication. We can also combine coatings or apply advanced engineering and manufacturing to develop a custom solution for your application.

涂层加工主要有：PTFE，硅胶涂层，PVC涂层，PVA涂层，PU涂层，PA丙烯酸涂层。玻璃纤维涂层布具有防水、阻燃防火、防霉、防腐蚀；耐老化；防紫外线；易清洗；耐高温、保温性好等特点，广泛的应用于各种工业领域。

PRODUCTION RANGE

产品编号 Production No	克重 Density (g/m ²)	涂层面 Coating Side	耐热温度 heat-resistance temperature	涂层材质 Coating Materials
DYGF-S	260 - 1800	Double side or Single Side	250 °C	Silicone coated
DYGF-PU	220 - 1070	Double side or Single Side	180 °C	Polyurethane (PU) coated
DYGF-NE	500-900	Double side or Single Side	180 °C	Neoprene coated
DYGF-PTFE	200-800	Double side or Single Side	300 °C	PTFE coated



STEELWIRE FIBERGLASS FABRIC

不锈钢丝和玻璃纤维混纺布

WSF: General Purpose. 常规型

WSF-B: Burn-Out. 脱蜡型

→ STEELWIRE FIBERGLASS FABRIC

Steel Wire-Fiberglass Blended Fabric is manufactured by stainless steel wire and fiberglass yarn. It can Increase Strength when Encounter the high temperature. Widely used in steel, power, metallurgy, chemical industry, environmental protection, cement and other industries, widely used in the exhaust, ventilation, ventilation and dust, exhaust system to handle the role of pipeline compensation. etc

钢丝增强型玻璃纤维布（玻璃纤维钢丝布）的每根纱都有一根不锈钢丝加捻在一起，以提高玻纤布在高温时强度。广泛应用于钢铁、电力、冶金、化工、环保、水泥等行业中，广泛用在排气、换气、通风、烟尘、废气处理等系统的管道补偿作用上。由于钢丝的优良热传导性能，钢丝布能耐瞬时高温，还可作制动摩擦材料等。

PRODUCTION RANGE

产品编号 Production No	密度 Density (g/m ²)	卷长 Roll Length	幅宽 heat-resistance temperature	幅宽 Width	颜色 Color
WSF900	900	50m / 100m	550 °C	1000mm / 1250mm	Normal is white. Burn-Out become yellow. 常规是白色，脱蜡以后变黄
WSFB900	895	50m / 100m	550 °C		
WSF1500	1500	50m	550 °C		
WSFB1500	1492	50m	550 °C		
WSF1800	1800	50m	550 °C		
WSFB1800	1790	50m	550 °C		



FIRE BLANKET

灭火毯

→ FIRE BLANKET.

A protective life-saving fire blanket shroud made of light but strong flame and heat-resistant material for a quick grab-and-wrap around use in case of fire emergencies, firefighting and rescue work operations. A fire blanket is a handy and dependable fire protection outfit for homes, business establishments and barangay centers that is supplementary or complementary to the standard fire extinguishers.

Fire blankets should always be placed near an exit so they can be easily reached in an emergency. Do not place them near to cookers or in distances far away from exits for safety reasons. If you do throw a fire blanket onto the flames and they spread for

灭火毯 (FIRE BLANKET) 是配备于企业、商店、船舶、汽车、民用建筑物上的一种简便的消防初始灭火工具，特别适用于家庭厨房、宾馆、娱乐场所、加油站等一些容易着火场合，防止火势蔓延及保护逃生用。

由于灭火毯是一种质地非常柔软的消防器具，在遇到火灾初始阶段时，能以最快速度隔氧灭火，控制灾情蔓延，还可以作为及时逃生用的防护物体，只要将毯子裹于全身，由于毯子本身防火、隔热的特性，在逃生过程中，人的身体能够得到很好的保护。

PRODUCTION RANGE

产品编号 Production No	玻璃纤维密度 Fiber Density (g/m ²)	尺寸 Size	耐热温度 heat-resistance temperature	包装 Packing	颜色 Color
W37B-1.0N1.0	430	1m x 1m	550 °C	PVC Soft bag. PVC Hard box. PVC Cylinder.	White
W37B-1.2N1.2	430	1.2m x 1.2m	550 °C		
W37B-1.5N1.5	430	1.5m x 1.5m	550 °C		
W37B-1.2N1.5	430	1.2m x 1.5m	550 °C		
W37B-1.0N1.8	430	1.0m x 1.8m	550 °C		
W37B-1.2N1.8	430	1.2m x 1.8m	550 °C		



FRP
RANGE
SELECTOR GUIDE

东宇-玻璃钢



FRP HAND LAY UP

玻璃钢手糊制品

→ FRP HAND LAY UP

Hand lay-up is the most common and least expensive open-molding method because it requires the least amount of equipment. Fiber reinforcements are placed by hand in a mold and resin is applied with a brush or roller. This process is used to make both large and small items, including boats, storage tanks, tubs and showers.

手糊成型工艺又称接触成型工艺。是手工作业把玻璃纤维织物和树脂交替铺在模具上，然后固化成型为玻璃钢制品的工艺。不受产品尺寸和形状限制，适宜尺寸大、批量小、形状复杂的产品生产。



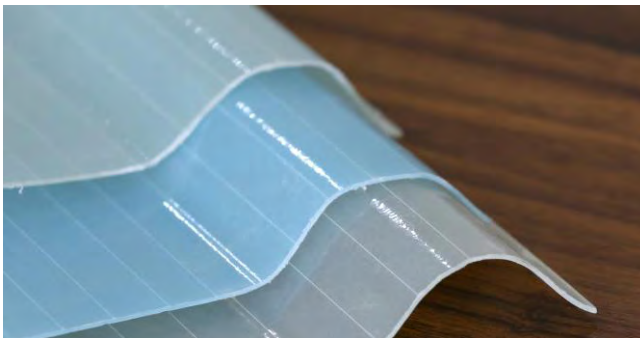
FRP FLANGE.

玻璃钢法兰

→ FRP FLANGE.

FRP Flange has following advantages: high mechanical strength, strong chemical resistance, excellent fire resistance, low thermal conductivity, small expansion coefficient, good temperature resistance, light weight, excellent anti-aging properties, long service life, easy installation, unique high deformability. which is widely used in food, chemical, power, pharmaceutical, pesticide, dyestuff, iron and steel, smelting, water treatment, tap water, mariculture, desulfurization environment protection etc.

玻璃钢法兰机械强度高、耐化学腐蚀性能强、防火阻燃性优、热导率低、膨胀系数小、耐高温性好、质量轻、优异的抗老化性能、使用寿命长、安装方便、独特的可设计性，大多用于工作压力不大于3Mpa的中、低压容器和管道，广泛应用于食品、化工、电力、制药、农药、染料、钢铁、冶炼、水处理、自来水、海水养殖、脱硫环保等领域。



FRP ROOFING SHEETS.

玻璃钢采光板

→ FRP ROOFING SHEETS.

FRP Roofing Sheet is a kind of natural lighting product which is shaped through automated machine. It is composed of non-soda fiberglass, reinforced polyester resin, high-performance and anti-ageing film (or gel) and additives. Dongyu FRP sheet is highly appraised by all customers because of its special properties: bright and clean appearance, light weight and high performance, high light transmittance, anti-corrosion, fireproofing, accurate cross-section size, no water seepage, optional length, easy installation and long service life (as long as 15-30 years). It can provide natural lighting for a large variety of buildings, such as animal barns, greenhouses, industrial workshops, residential buildings or be used as wall lighting, cover plate and base plate of solar water heater and any places which need long-term natural lighting.



www.dongyufiberglass.com

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