

Company Profile

Guizhou Guangri Technology Co., Ltd is a comprehensive technology-based enterprise integrating product R&D,

manufacturing, sales and installation. The Headquarter has a composite material production and management team with more than 30 years of experience, and is committed to continuous innovation in science and technology.

The Company FRP Rockbolt & Rebars are the first in the industry to pass the <GBIT19001-2016/IS09001:2015> quality management system certification<GB/T24001-2016/1S014001:2015> environmental management system certification, <GB/T45001-2020/1S045001:2018 > occupational health and safety management system certification,

The main products include FRP anchor rods, Rebars, Mat, Mesh, PU & FRP Window Profile, solar photovoltaic frames and other composite materials. In order to promote the healthy development of the global composite materials industry, we can also provide high-quality unsaturated resins, epoxy resin glass fibers, molds, pultrusion equipment and other production equipment.

To accompany our customers' ideas with passion and to design solutions for their future. We are convinced that Guangri FRP offers a great market benefit for our customers !

30 years
INDEPENDENT BRAND

10000 ㎡
SELF-OWNED FACTORY

20+
CERTIFICATE

10+
CERTIFIED PRODUCT

Product
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FRP
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Guangri Fiberglass

Continuous innovation； Continuous change

To serve the global composite materials purchasers;
To make people's life more safe, more environmental.



Fiberglass Direct Roving

Fiberglass E-Glass Direct Roving is compatible with polyester, vinyl ester, epoxy and phenolic resins etc.. this product is extensively used in filament winding, pultrusion, weaving fabrics, like woven roving and geogrid.



Product Specification

Item	TEX	Diameter (um)	LOI (%)	Mol (%)	Compatible Resin
GR-DR012	2000-4800	22-24	0.40-0.70	≤0.10	UP
GR-DR013	300-1200	13-17	0.40-0.70	≤0.10	UP VE EP
GR-DR014	300-4800	13-24	0.40-0.70	≤0.10	UP VE EP
GR-DR015	300-2400	13-24	0.35-0.55	≤0.10	UP VE EP PF

Product Application







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Fiberglass SMC Roving

Fiberglass SMC Roving is compatible with unsaturated polyester resin and vinyl ester resin. It is mainly used for automobile parts, electrical appliance, tank crust and sport instruments, etc..



Product Specification

Item	TEX	LOI (%)	MOI (%)	Compatible Resin	Applicable Process
GR-SMCR001	2400 4800	1.10-1.30	≤0.10	UP VE	Structure type
GR-SMCR002	2400 4800	1.00-1.40	≤0.10	UP VE	Structure and Surface type

Product Application







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Fiberglass Spray Up Roving

Fiberglass Spray Up Roving is compatible with unsaturated polyester resins, vinyl ester resin and epoxy resin, it is used for spray up and centrifugal casting. It mainly used for producing GRP ships, sanitary ware, storage tanks and Hobas pipes, ect..



Product Specification

Item	TEX	LOI (%)	MOI (%)	Compatible Resin
GR-SUR001	2400	1.10-1.30	≤0.10	UP VE EP
GR-SUR002	2400	0.95-1.15	≤0.10	UP VE EP
GR-SUR003	2400	1.00-1.20	≤0.10	UP VE EP

Product Application







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Fiberglass Gypsum Roving

This Roving is specifically designed to reinforce for gypsum. It is chopped into a specific length and the chop is mixed with gypsum, starch powder and accelerating agent. Then the mixture is molded, cured, cut and dried to form a light weight construction boards.



Product Specification

Item	TEX	LOL (%)	MOI (%)	Filament Tensile (N/TEX)	Compatible Resin	Application Process
Fiberglass Gypsum Roving	600-4800	0.95~1.30	≤0.10	≥0.3	UP VE EP	Gypsum

Product Application







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Fiberglass ECR Roving

Fiberglass ECR Roving for pultrusion, which is coated the silane, compatible with polyester, vinylester and epoxy etc. It's also compatible with many kinds of resins. It is used in the FRP extrusion molding and many kinds of FRP materials, such as tabernacles, gratings, poles, FRP rebar, cable slot and Wind



Product Specification

Type Of Glass	Filament Diameter (um)	Linear Density (Tex)
ECR	17-24	1200, 2400, 4800, 9600

Product Application







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Alkali-resistant Glass Fiber Roving

Alkali-resistant glass fiber has a high degree of corrosion resistance in the environment of cement and other alkaline medium. It can be used to reinforce cement gypsum and other inorganic materials. Light in weight and high in strength, GRC is suitable for skyscrapers, civil engineering, gardens, etc.



Alkali-resistant glass fiber roving
Characteristics: good integrity & dispersing, high stiffness, low static, low fuzz
Application: spray up, premix

Product Specification

Product Code	Diameter μm	Roving Density tex	Size Content %	Water Content %	Stiffness mm
ARC-2400	15±2	2400±120	1.4±0.2	<0.2	>110

Product Application







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Fiberglass Yarn

Fiberglass yarn is electrical insulation materials, electronic industrial fabrics, tubes and other industrial fabric raw materials. It is widely used for circuit board, weaving all kinds of fabrics in the scope of reinforcement, insulation, corrosion resistance, heat resistance and so on.



Product Specification

Type	Glass	Filament Diameter	Type in U.S.A.	Twist Degree
EC9-33X1X2	E	9um	ECG 150 1/2	S65
EC9-33X1X3	E	9um	ECG 150 1/3	S65
EC9-33X2X3	E	9um	ECG 150 2/3	S110
EC9-68X1X0	E	9um	ECG 75 1/0	Z28-35
EC9-68X1X2	E	9um	ECG 75 1/2	S28-110
EC9-136X1X0	E	9um	ECG 37 1/0	Z28-35
EC9-136X1X2	E	9um	ECG 37 1/0	S28-110
EC5.5-12x1x0	E	5.5um	ECD 450 1/0	S40
EC5.5-12x1x2	E	5.5um	ECD 450 1/2	S40
CC9-33x1x2	C	9um	CCG 150 1/2	S28-100
CC9-33x2x2	C	9um	CCG 150 2/2	S28-100

Product Application







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Fiberglass AR Chopped Strands

Fiberglass AR Chopped Strands are in the line chopped, the chopped strands include Zro2 16.5% . It is used as raw materials in waterproofing for construction.

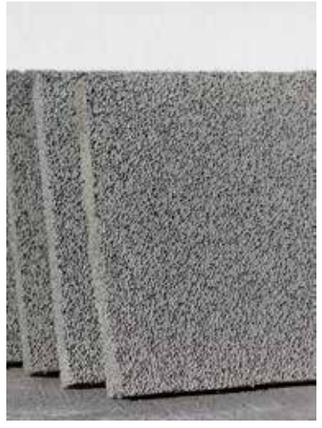


Product Specification

Item	Diameter (um)	Chopped Length (mm)	Compatible Resin
GR-CSAR12	15	12	Concrete
GR-CSAR18	15	18	Concrete
GR-CSAR24	15	24	Concrete

Product Application







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Fiberglass Chopped Strands For BMC

Chopped Strands for BMC are compatible with unsaturated polyester, epoxy resin and phenolic resin. The end-use applications include transportation, building&construction, electronic&electrical, mechanical, and light industry.



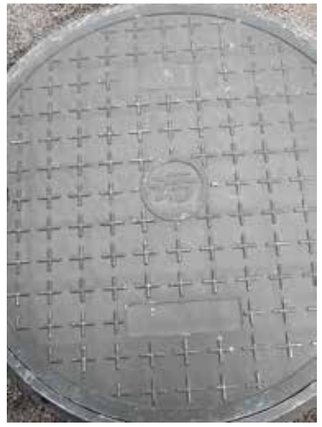
Product Specification

Item	Diameter (um)	Chopped Length (mm)	Compatible Resin
GR-CSBMC3	10-13	3	EP UP VE
GR-CSBMC6	10-13	6	EP UP VE
GR-CSBMC12	10-13	12	EP UP VE

Product Application







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Fiberglass Chopped Strands For Concrete

Fiberglass chopped strands for Concrete, can improve the performance of concrete permeability, also the impact resistance and toughness durability of concrete, mainly used in cement, gypsum board, plastic, composite materials and other construction engineering, reinforcement, crack resistance, wear resistance, etc.



Product Specification

Item	Diameter (um)	Chopped Length (mm)	Application
GR-CSGRC6	10-13	6	Concrete
GR-CSGRC12	10-13	12	Concrete
GR-CSGRC24	10-13	24	Concrete

Product Application







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Fiberglass Chopped Strands For Needle Mat

Fiberglass Chopped Strands for needle mat is chopped from special e-glass fiber yarn. E-glass yarn is a kind of tiny fiber and chopped into certain length. The chopped strands form infinity tiny voids in mat manufacturing process and impact the mat multihole structure and excellent heat insulation property.



Product Specification

Item	Diameter (um)	Chopped Length (cm)	Compatible Resin
Fiberglass chopped strands for Needle Mat	7-9	7-8	EP UP VE

Product Application







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Fiberglass Chopped Strands For Brake Pads

Fiberglass Chopped Strands used in brake and clutch of automobile, motorcycle, locomotives and aeroplane as raw material with excellent properties of stability, low rate of friction loss and good heating conductivity.



Product Specification

Item	Diameter (um)	Chopped Length (mm)	Compatible Resin
GR-CSBP3	13	3	EP UP VE
GR-CSBP4.5	13	4.5	EP UP VE
GR-CSBP6	13	6	EP UP VE

Product Application







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Fiberglass Chopped Strands For PA/PP/PBT

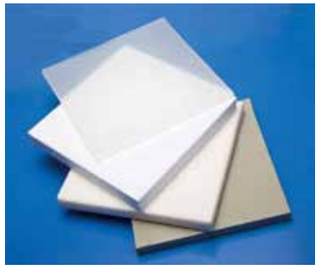
Fiberglass Chopped Strands for thermoplastic are based on silane coupling agent and special sizing formulation, compatible with PA, PBT/PET, PP. E-Glass Chopped Strands for thermoplastic are know for excellent strand integrity, superior flowability and processing property, delivering excellent mechanical property and high surface quality to its finished products.



Product Specification

Item	Diameter (um)	Chopped Length (mm)	Compatible Resin
GR-CSPA3	10-13	3	PA
GR-CSPA4.5	10-13	4.5	PA
GR-CSPP3	10-13	3	PP
GR-CSPP4.5	10-13	4.5	PP
GR-CSPBT3	10-13	3	PBT

Product Application







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Fiberglass Needle Mat

Fiberglass needle mat is a kind of rational structure, good performance material, with glass fiber as raw material, after needling and carding the short cutting glass fiber, mat different thickness with mechanical method between layers of glass fiber. Widely used in electrical equipment, heat preservation, heat insulation, automotive exhaust treatment, etc.



Product Specification

Item	Thickness (mm)	Weight (gram)/ m2	Width (mm)	Length (m)	Density (g/m3)
EMN6	6	900	1000-2000	30	90-160
EMN8	8	1200	1000-2000	20	90-160
EMN10	10	1500	1000-2000	20	90-160
EMN12	12	1800	1000-2000	15	90-160
EMN15	15	2250	1000-2000	15	90-160

Product Application







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Fiberglass Stitched Mat

Fiberglass Stitched Mat is made by chopping continuous strands into chopped strands and stitching them together by machine. Which is widely used in new field like wind energy source, etc.



Product Specification

Item	Glass	0. Roving g/m2	90.Roving g/m2	Chopped Strands g/m2	Overall Weight g/m2
EMK450/1200	E	607.60	607.60	457.73	1693.58
EMK305/1200	E	607.60	607.60	305.15	1541.00
EMK150/1200	E	607.60	607.60	152.58	1388.42
EMK1200	E	607.60	607.60		1235.84
EMK275/1080	E	607.60	475.82	274.64	1378.71
EMK150/1080	E	607.60	475.82	152.58	1256.64
EMK450/800	E	405.66	405.06	457.73	1287.74
EMK275/800	E	405.66	405.06	274.64	1104.64
EMK800	E	405.66	405.06		830.01
EMK450/600	E	303.80	307.00	457.73	1086.89
EMK275/600	E	303.80	307.00	274.64	903.79
EMK600	E	303.80	307.00		629.16
EMK275/550	E	303.80	247.96	274.64	844.76
EMK105	E	303.80	247.96	101.62	671.74

Product Application







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Fiberglass Chopped Strand Mat

Fiberglass Chopped Strand Mat is made of E Chopped Strands, which are randomly distributed and bonded together with polyester binder in powder or emulsion form. The mats are compatible with unsaturated polyester, vinyl ester and other various resins. It's mainly used in hand lay-up, filament winding and compression molding processes. The typical FRP products are panels, tanks, boats, pipes etc.



Product Specification

Item	Standard Weight (g/m2)	Width (mm)	Loss On Ignition (%)	Moisture (%)	Compatible Resins
EMC225	225	1040/1270/2080 ≤3300	2-6	≤0.2	UP VE EP
EMC300	300	1040/1270/2080 ≤3300	2-6	≤0.2	UP VE EP
EMC380	380	1040/1270/2080 ≤3300	2-6	≤0.2	UP VE EP
EMC450	450	1040/1270/2080 ≤3300	2-6	≤0.2	UP VE EP
EMC600	600	1040/1270/2080 ≤3300	2-6	≤0.2	UP VE EP
EMC900	900	1040/1270/2080 ≤3300	2-6	≤0.2	UP VE EP

Product Application







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Fiberglass Tissue Mat



GUANGRI FIBERGLASS

Our glass fiber tissue made from E /ECR/C Glass can be classified as surface tissue for pipe, roof tissue,Pipe Tissue ,Flooring Tissue , Carpet Tissue ,Battery Separator tissue ,Coated tissue for gypsum sheathing and Coated Tissue For Polyurethane Foam. Product Unit weight is of 20-120g/m2, Width of 45mm and 50mm or others,Maximum width is 1 meter. Our products can be used in the process of continuous winding, Hand lay-up and pultrusion .Surfacing veil is mainly used in the surfaced layers of FRP products it is divided into winding S-SM series and hand lay-up S-HM series.

S-SM are mainly used on pipe and tank winding process. it can improve the product surface property on corrosion resistance, compressive strength, seepage resistance, and longer service life.

S-HM is chiefly used in the product with complicated geometric curve it has the advantages of good pattern fitness, quick resin permeation; It can raise the intensity and corrosion resistance of products.

Product Specification

Product code	Glass type	Unit weight	Binder content	Tensile MD	Moisture Content
ST30	C/E/ECR-GLASS	30g/m2	6.0	≥25	≤0.2
ST50	C/E/ECR-GLASS	50g/m2	6.0	≥40	≤0.2
HT30	C/E/ECR-GLASS	30g/m2	7.0	≥20	≤0.2
HT50	C/E/ECR-GLASS	50g/m2	6.0	≥30	≤0.2

Product Application







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Fiberglass Plain Weave Cloth

Fiberglass cloth is a general name for the electronic grade glass fiber cloth which was made by E glass fiber or C glass fiber, it is widely used in the electronics industry. It is the high-end products in the fiber glass cloth. Fiber glass cloth offers an excellent combination of properties from high strength to fire resistance. Wide ranges of yarn styles and weave styles provide varieties design potential, allowing the buyers to choose the best combination of material performance, economics and product flexibility



GUANGRI FIBERGLASS

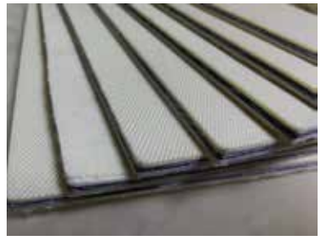
Product Specification

Product Code	Weave Structure	Density counts/cm		Weight (±5%)		Thickness(±10%)		Color
		Warp	Weft	g/m2	Oz/yd2	mm	inch	
7628	Plain	18	12	200	5.9	0.20	0.008	White
280	Plain	12	9	280	8.3	0.30	0.012	White
310	Plain	12	10	310	9.1	0.32	0.013	White
3732	Twill	18	10	430	12.7	0.43	0.017	White/yellow
600	Plain pane	15	14	600	17.7	0.60	0.023	White/yellow
3784	Satin	18	12	840	24.8	0.90	0.035	White/yellow
3788	Satin	18	12	1750	50.1	1.65	0.067	White/yellow

Product Application







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Fiberglass Adhesive Tape



The fiberglass self-adhesive tape is made by cutting high-quality fiberglass fabric coated with cyclic acid copolymer. Because fiberglass has a stable chemical property and is not liable to oxidate, the fiberglass self-adhesive tape for joint filling has superiority.

Some other features:
• Very strong self-adhesive
• Sticks well in cold weather
• Will not absorb moisture
• Will not be affected by mold
• Fire resistant
• Will not tear
• Will not shrin

Application for this kind of fiberglass adhesive tape:
• Seaming drywall joints
• Reinforce or repair wall cracks, plasterboard cracks, and cement board

Product Specification

Specification Declared	Yarn Tex- Warp	Yarn Tex- Weft	Adhesive acrylic latex coating	Tensile Strength (N/50mm)	
70±5 g/m2, 9x9 Mesh	66 Tex	80 Tex	≥30%	Warp: ≥500 N/50mm	Weft: ≥700 N/50mm
60±5 g/m2, 8x8 Mesh	66 Tex	66 Tex	≥30%	Warp: ≥500 N/50mm	Weft: ≥500 N/50mm
50±5 g/m2, 9x9 Mesh	66 Tex	33 Tex	≥30%	Warp: ≥500 N/50mm	Weft: ≥280 N/50mm

Product Application







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Fiberglass Mesh

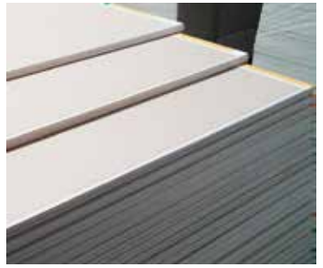
Fiberglass mesh is fiberglass leno fabric as the substrate, the anti-emulsion polymer coating after immersion, which has good alkali resistance, flexibility and strong tensile strength, it can be widely used in exterior insulation finishing system (EIFS), roofing system, marble, etc.



Product Specification

Item	Total Weight (g/m2)	Mesh Size (mm)	Weave
GR60	60	5*5	leno
GR75	75	4*5	leno
GR90	90	5*5	leno
GR110	110	4*4	leno
GR130	130	5*6	leno
GR145	145	6*6	leno
GR160	160	6*6	leno

Product Application



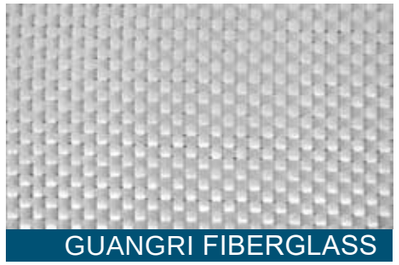




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Fiberglass Woven Roving

Fiberglass Woven Roving is made of fiberglass direct rovings in plain and twill weaving method.The input rovings are designed to give controlled wet-out and excellent laminate properties. It is compatible with Polyester,Vinyl ester and Epoxy resin and widely used in hand machine production, such as boats,vessels,plane and automotive parts,furniture,sports and other areas.



Product Specification

Item	TEX		Count Of Cloth (root/cm)		Unit Area Mass (g/m)	Breaking Strength (N)		Width (mm)
	Wrap Yarn	Weft Yarn	Wrap Yarn	Weft Yarn		Wrap Yarn	Weft Yarn	
EWR200	180	180	6.0	5.0	200±15	1300	1100	30-3000
EWR300	300	300	5.0	4.0	300±15	1800	1700	30-3000
EWR400	576	576	3.6	3.2	400±20	2500	2200	30-3000
EWR500	900	900	2.9	2.7	500±25	3000	2750	30-3000
EWR600	1200	1200	2.6	2.5	600±30	4000	3850	30-3000
EWR800	2400	2400	1.8	1.8	800±40	4600	4400	30-3000

Product Application

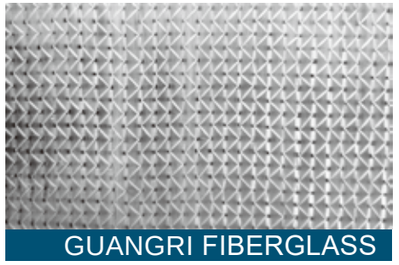




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Fiberglass Multiaxial Fabric

Multiaxial include Uni-Directional,Biaxial,Triaxial and Quadraxial Fabrics.The entire Partial warp.weft and double bias plies are stitched into a single fabric. With ou filament crimp in woven roving,the Multiaxial fabrics are in advantage of high strength,excellent stiffness,low weight and thickness,as well as the improved fabric surface quality. The fabrics can be combined with chopped strand mat or tissue or nonwoven materials.



Product Specification

Item	Description
Uni-Directional Fabric (0° or 90°)	The density of 0° Uni-Directional Fabric can be 300g/m²~900g/m² and density of 90° can be 150g/m²~1200g/m²
Biaxial Fabric (0°/90° or ±45°)	The density can be 300g/m²~2400g/m² , can be wich layer of Chopped Strands.
Triaxial Fabric (0°/+45°/-45°) / (+45°/+90°/-45°)	The density can be 450g/m²~1800g/m² , can be wich layer of Chopped Strands.
Quadraxial Fabric (0°/+45°/90°/-45°)	The density can be 600g/m²~2000g/m² , can be wich layer of Chopped Strands.

Product Application





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