FIBERGLASS ROVING

Hebei Yuniu Fiberglass Manufacturing Co .,Ltd

FIBERGLASS

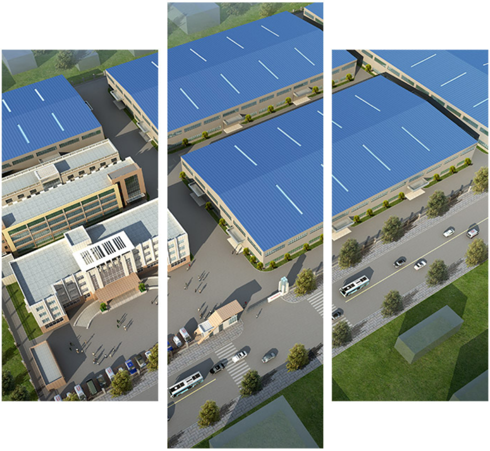
PRODUCT INTRODUCTION

PRODUCT DETAILS

PACKAGING AND STORAGE

APPLICATION AREA

CONTACT INFORMATION



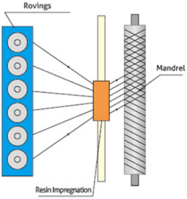
Fiberglass Direct Roving

For Filament Winding

Direct Rovings for Filament Winding are compatible with UP,VE,PU and PF resins.Their main applications include FRP pipes of various diameters for conveying water and corrosive chemicals,high-pressure oil pipes,pressure vessels,storage tanks,and insulation materials such as utility poles and hollow composite insulators.

Traditional Filament Winding Process

In the filament winding process,continuous strands of resin-impregnated glass fiber are wound under tension onto a mandrel in precise geometric patterns to build up the part which is the cured to form the finished parts.



Product Specification

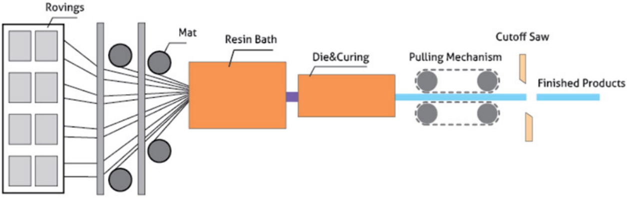
Product code	Tex	Diameter(μm)	Loi(%)	Mol(%)	Compatible Resin
Y107	300-4800	14-24	0.40-0.70	≤0.10	UP VE EP
Y112	300-4800	14-24	0.40-0.70	≤0.10	UP VE EP

Rovings for Pultrusion

Rovings for Pultrusion are comatible with UP,EP,VE and PF resins and widely used in building & construction,telecommunication and insulation industries.

Pultrusion Process

The rovings,mats or other fabrics are pulled through a resin impregnation bath and then into a heated die using a continous pulling device.The final products are formed under high temperature and high pressure



Product Specification

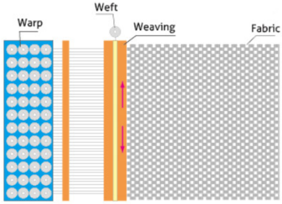
Product code	Tex	Diameter(μm)	Loi(%)	Mol(%)	Compatible Resin
Y200	1200/2400	17/22	0.33-0.81	≤0.10	EP

Direct Roving For Weaving

Direct roving for weaving are compatible with polyster, vinyl ester, epoxy resin, has excellent weaving function， it can be used to produce various glass fiber products, like mesh, woven roving, geotextiles, etc.

Weaving Process

The rovings,mats or other fabrics are pulled through a resin impregnation bath and then into a heated die using a continous pulling device.The final products are formed under high temperature and high pressure



Product Specification

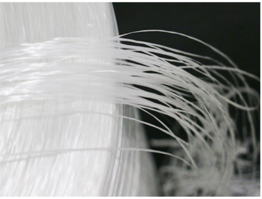
Product code	Tex	Diameter(μm)	Loi(%)	Mol(%)	Compatible Resin
Y500	300-2400	14/17	0.35-0.85	≤0.10	EP UP VE

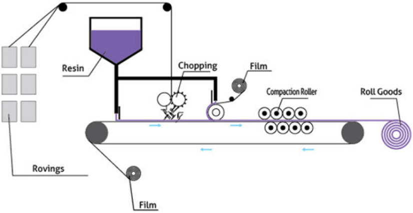
Fiberglass SMC Roving

Fiberglass SMC Roving is compatible with unsaturated polyest parts.electrical appliance,tank crust and sport instruments,etc..

SMC Process

Mix the resins,fillers and other materials well to form a resin paste ,apply the paste on a first film,disperse chopped glass fibers evenly on the resin paste film and cover this paste film with anonther layer of resin paste film,and then compact the two paste films with pressure rollers of a SMC machine unit to form sheet molding compound products.





Product Specification

Item	Tex	Loi(%)	Mol(%)	Compatible Resin	Applicable Process
YN-SMCR001	2400 4800	1.10-1.30	≤0.10	UP VE	Structure type
YN-SMCR001	2400 4800	1.00-1.40	≤0.10	UP VE	structure and surface type

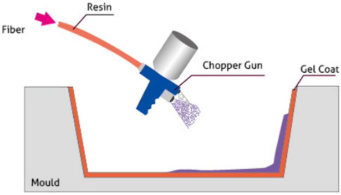
Fiberglass Spray Up Roving

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..

yuniu.en.alibaba.com

Spray-up Process

A mould is sprayed with a mixture of catalyzed resin and chopped fiberglass roving(fiberglass cut to specific length using a chopper gun).Then the glass-resin mixture is well compacted,usually manually,for complete impregnation and deairing.After curing the finished composite part is de-molded.



Product Specification

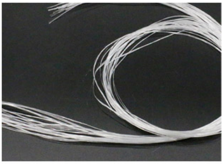
Item	Tex	Loi(%)	Mol(%)	Compatible Resin
YN-SUR001	2400	1.10-1.30	≤0.10	UP VE EP
YN-SUR002	2400	0.95-1.15	≤0.10	UP VE EP
YN-SUR003	2400	1.00-1.20	≤0.10	UP VE EP

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 borads

Reinforcements for Gypsum

The slurry is prepared by mixing gypsum powder with other fillers.Then fiberglass is added into the slurry.The slurry is laid on the conveyor for further drying and cutting to form the final sheet.

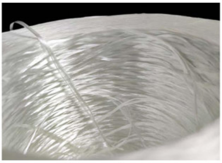


Product Specification

Item	Tex	Loi(%)	Mol(%)	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

Fiberglass ECR Roving

Fiberglass ECR Roving for pultrusion,which is coated the silance,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(μm)	Linear Density(Tex)
ECR	17-24	1200,2400,4800,9600

Product Application

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.

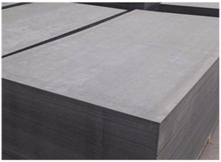
Alkali-resistant glass fiber roving
Characteristics: good integrity & dispersing, high stiffness, low static, low fuzz

Application: spray up, premix

Product Specification

Product Code	Diametet 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



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.

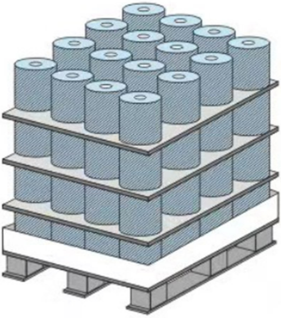
Product Specification

Type	Glass	Filament Diameter	Type in U.S.A	Twist Degree
EC9-33×1×2	E	9μm	ECG 150 1/2	S65
EC9-33×1×3	E	9μm	ECG 150 1/3	S65
EC9-33×2×3	E	9μm	ECG 150 2/3	S110
EC9-68×1×0	E	9μm	ECG 75 1/0	Z28-35
EC9-68×1×2	E	9μm	ECG 75 1/2	S28-110
EC9-136×1×0	E	9μm	ECG 37 1/0	Z28-35

EC9-136×1×2	E	9μm	ECG 37 1/0	S28-110
EC5.5-12×1×0	E	5.5μm	ECD 450 1/0	S40
EC5.5-12×1×2	E	5.5μm	ECD 450 1/2	S40
CC9-33×1×2	C	9μm	CCG 150 1/2	S28-100
CC9-33×2×2	C	9μm	CCG 150 2/2	S28-100

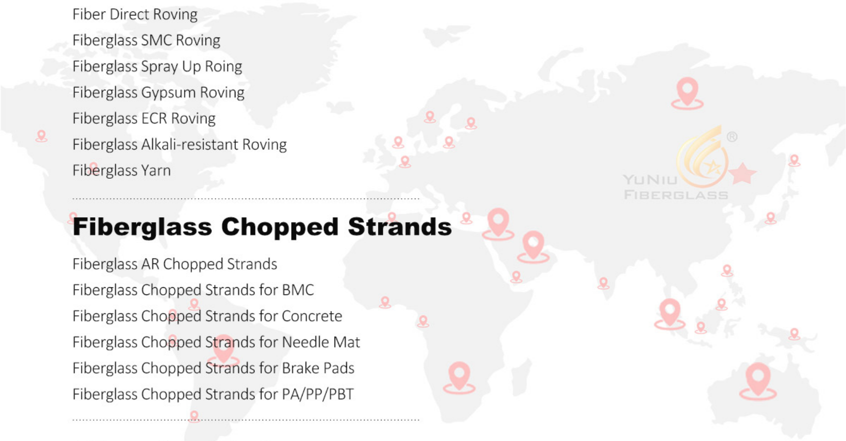
Packaging and storage

Each roll is about 18KG, 48/64 rolls are a tray, 48 rolls have 3 layers, and 64 rolls have 4 layers.
Approximately 20 tons in a 20-foot container



Application Area

Glass fiber has the characteristics of high strength, high modulus and low elongation, and has excellent heat resistance and compressibility. It is widely used in the manufacture of automobiles, yachts, ships and other transportation facilities, as well as bridges, building thermal insulation materials, etc.



Fiberglass Roving

Fiber Direct Roving
Fiberglass SMC Roving
Fiberglass Spray Up Roing
Fiberglass Gypsum Roving
Fiberglass ECR Roving
Fiberglass Alkali-resistant Roving
Fiberglass Yarn

Fiberglass Chopped Strands

Fiberglass AR Chopped Strands
Fiberglass Chopped Strands for BMC
Fiberglass Chopped Strands for Concrete
Fiberglass Chopped Strands for Needle Mat
Fiberglass Chopped Strands for Brake Pads
Fiberglass Chopped Strands for PA/PP/PBT

Fiberglass Mat

Fiberglass Needle Mat
Fiberglass Stitch Mat
Fiberglass Chopped Strand Mat
Fiberglass Tissue

Fiberglass Fabirc

Plain Weave Cloth
Fiberglass Adhesive Tape
Fiberglass Mesh
Fiberglass Woven Roving
Fiberglass Multiaxial Fabric

YUNIU FIBERGLASS®

Hebei Yuniu Fiberglass Manufacturing Co.,Ltd

ADD：Room 701, Building A, Zijingguandi, Qiaodong District,
Xingtai City , Hebei Province, China 054001
Tel：+86-319-8205333
Fax：+86-319-8202066
E-mail：ynfiber@126.com
Web：www.fiberglassyn.com