



Lloyd's Register



FDA



GL
OPERATING 2417

SGS



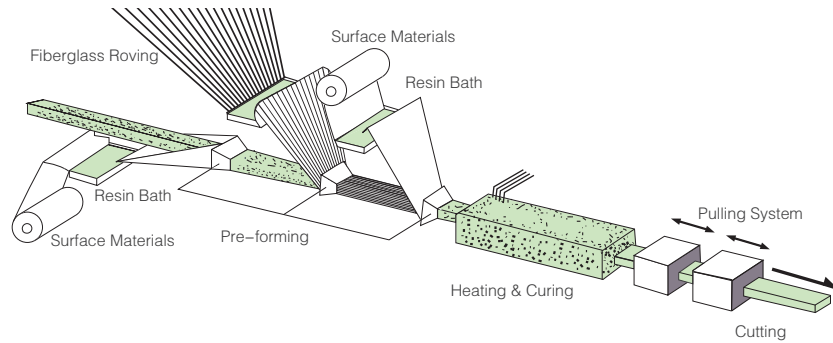
泰山玻璃纤维
Taishan Fiberglass

Fiberglass Solutions to **PULTRUSION**

Sinoma 泰山玻璃纤维有限公司
中国中材 Taishan Fiberglass Inc.

Pultrusion

Pultrusion is a process for manufacturing pultruded products by pulling continuous roving, fabric or mat through a resin impregnation bath, a shaping section where the resin is heated & cured and cut into specified lengths or further processed.



Pultrusion

E-glass Products for Pultrusion

Direct Roving for Pultrusion



【 Description 】

E-glass roving for pultrusion is compatible with UP, VE, EP resins, etc., and has fast wet-out and provides composites with excellent mechanical properties. It is available with E-glass, TCR glass and S-1 HM™ glass.

【 Properties 】

- ◎ Silane-based sizing
- ◎ Even tension and no free loops
- ◎ High abrasion resistance and low fuzz
- ◎ Consistent linear density and high filament tensile strength
- ◎ Excellent compatibility with resins, rapid wet-out and complete impregnation
- ◎ Providing composites with excellent mechanical strength

【 Identification of Product Code 】

Eg. EDR240-T911

E: E-glass

DR: Direct Roving

240: Linear Density 2400tex

T911: Sizing & Product Code

【 Products 】

Product Code	Linear Density tex	Linear Density yield	Resin Compatibility	Typical Applications
T911	600,1200,2400,4400 4800,8800,9600	828,414,207,113,104,56,52	UP, VE	Profiles
T912	200,275,300,600 1200,2400	2484,1807,1656,414,207	VE,UP	Optical Cable Core & Profiles
T980S	1200,2400,4800 8800,9600	414,207,113,56,52	EP	Acid Resistant Insulation Rods, etc.

Knitted Mat



【 Description 】

Knitted mat is composed of E-glass fiber chopped in specified length, randomly dispersed & stitched together by polyester yarn, and it is compatible with UP & EP resins.

【 Properties 】

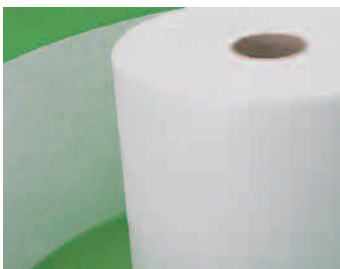
- Free of any binder
- Even thickness
- Fast wet-out
- Excellent isotropy of properties
- Good molding property

【 Identification of Product Code 】

Eg. E MK 450-1500
 E: E-glass
 MK: Knitted Mat
 450: Area Weight (g/m²)
 1500: Width (mm)

【 Products 】

Product Code	Area Weight g/m ²	Width mm	Num. of Layer
EMK300	300	250-1500	1
EMK380	380	250-1500	1
EMK450	450	250-1500	1



Surface Mat

【 Description 】

Surface mat is used in the interior & exterior surface laminates of composites, to improve the chemical corrosion resistance, anti-leakage, laminate strength, appearance and extend the service life.

【 Properties 】

- Even distribution of fiber
- Smooth and soft surface
- Fast wet-out
- Excellent molding property

【 Identification of Product Code 】

Eg. AEMS-30-1000
 A: Taishan
 E: E-glass
 MS: Surface Mat
 30: Area Weight (g/m²)
 1000: Width (mm)

【 Products 】

Specification	Area Weight g/m ²	Width mm	Application
AEMS	25-50	50-2080	interior & exterior surface laminates of composites

Fiberglass Solutions to Pipes & Tanks	Filament Winding; Centrifugal Casting
	Direct Roving for Filament Winding, Chop Roving, Chopped Strand Mat, Woven Roving, Axial Tape, Knitted Mat, Surface Mat, Hobas Roving
Fiberglass Solutions to Open Molding	Spray-up; Hand Lay-up
	Spray-up Roving, CSM, Woven Roving, Combo Mat, Knitted Mat, Surface Mat
Fiberglass Solutions to Pultrusion	Pultrusion
	Direct Roving for Pultrusion, Knitted Mat, Surface Mat
Fiberglass Solutions to Continuous Panel Molding	Continuous Panel Molding
	Continuous Panel Roving, Chopped Strand Mat
Fiberglass Solutions to Compression Molding	SMC/BMC Compression Molding
	SMC Roving, Chopped Strands for BMC
Fiberglass Roving for Mats & Fabrics	Weaving Mat Production
	Direct Roving for Multi-axial Fabrics, Direct Roving for Geo-grids, Direct Roving for Fabrics, Roving for Mat
Fiberglass Solutions to Thermoplastics	Extrusion & Injection; LFT (Long Fiber Thermoplastic): LFT-G and LFT-D GMT (Glass Mat reinforced Thermoplastics)
	Continuous Roving for Thermoplastics, Chopped Strands LFT Roving, GMT Roving
Fiberglass Solutions to Wind Energy	Prepreg (Pre-forming); Vacuum Infusion (Vacuum Bagging); Hand Lay-up
	Multi-axial Fabrics for Wind Energy, PP Core Mat
Electronic & Industrial Fiberglass Yarns	
Electronic Fiberglass Fabrics	

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