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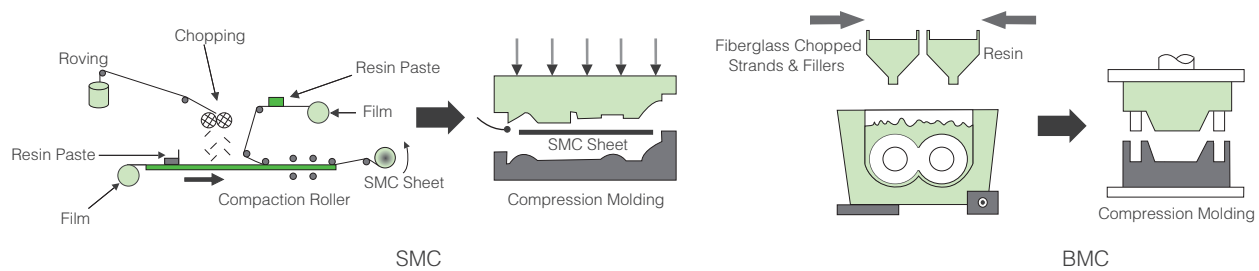
泰山玻璃纤维
Taishan Fiberglass

Fiberglass Solutions to **COMPRESSION MOLDING**

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

Compression Molding

Compression molding process is a mass production method where resin, additives and fiberglass reinforcements are mixed & heated to reach a certain viscosity, and compressed under specified temperature & pressure, and cured to form the parts. Compression molding products include SMC (Sheet Molding Compound) and BMC (Bulk Molding Compound).



Fiberglass Products for Compression Molding

SMC Roving

【 Description 】

SMC roving is coated with silane-based sizing and compatible with UP, VE resins. SMC products have excellent electrical property, high corrosion resistance, light weight, easy & flexible for engineering design, as well as equivalent mechanical properties with some metals, and are widely used to produce parts for automotive, construction, electrical & electronic industries.



【 Properties 】

- Consistent linear density
- Low static & fuzz
- Good dispersion
- Fast wet-out
- Excellent molding flow-ability

【 Identification of Product Code 】

Eg. E RS 240 – T959
 E: E-glass
 RS: Assembled/Multi-end Roving
 240: Linear Density 2400tex
 T959: Sizing & Product Code

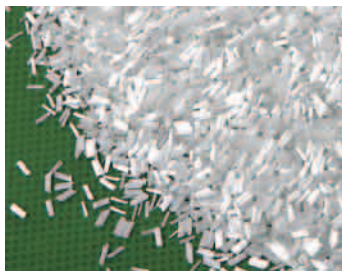
【 Products 】

Product Code	Markets Recommended	Application Features	Typical Products
T959	Global	Structural Products & General Purpose Pigment-able Products	Auto Parts, Electrical / Instrumental Casings, Door Skins
T949QZ	Asia-Pacific	Structural Products	Auto Parts, Rail Transportation Parts, Building Panels
T951	N & S America	Structural Products	Auto Parts
T949K	Asia-Pacific	Highly Hydrolysis Resistant & Pigment-able Products	Bathtubs, Ceiling Tiles
T955	N & S America	Class A Surface	High-end Car/Truck Exterior Parts
T949CP	Global	Even Sheet Density	Auto Headliners

Chopped Strands for BMC

【 Description 】

BMC chopped strands is coated with silane-based sizing and compatible with UP, VE & PF resins. BMC products have excellent electrical & mechanical property, high heat insulation, good chemical corrosion resistance and are widely used to produce parts for instrument, machinery, chemical equipments, construction, transportation, electrical / electronic industries.



【 Properties 】

- ◎ High strand integrity and low fuzz
- ◎ Excellent flow-ability and easy control of glass loading
- ◎ Good heat resistance

【 Identification of Product Code 】

Eg. EC 11 – 4.5 – T437F
 E: E-glass
 C: Chopped Strands
 11: Filament Diameter 11 μ m
 4.5: Chopped Length 4.5mm
 T437F: Sizing & Product Code

【 Products 】

Product Code	Application Features	Resin Compatible	Typical Products
T437F	White Color	UP, VE	White Products, eg, Sanitary Ware, Ceiling Tiles, etc.
T437H	Highly Pigment-able Products; High Impact Resistance; Multi-process Compatible		Auto Parts, Electrical Components, Building Materials
T440	Easy Dispersion; High Composite Strength	PF	Friction Products, Electrical Components
T441	High Strand Integrity & Flow-ability		



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	

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

Add: Economic Development Zone, Taian, Shandong, P.R.China. P.C. 271000
Tel: +86 538 6627910 (Sales Department) 6622011 (International Department)
Fax: +86 538 6622020 (Sales Department) 6627917 (International Department)
E-mail: ctgf@ctgf.com Website: www.ctgf.com