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## TECHNICAL DATA SHEET

**PRODUCT GROUP: TAIWAN GLASS INDUSTRIES CORPORATION**

**CHOPPED STRAND MAT**

**PRODUCT CODE: TGM- 225E, 230E, 300E, 450E, 600E & 900E**

### PRODUCT INFORMATION:

Taiwan Glass Industries Corporation (TGIC) Chopped Strand Mat is made of randomly, yet evenly distributed strands chopped from continuous "E" Glass fibres into 50mm lengths bonded with "emulsion binder", possesses excellent surface bonding efficiency.

It is suitable for use with most unsaturated polyester and vinyl ester resin systems in contact moulding where fast wet-out and good moulding performance is required.

Taiwan Glass Industries Corporation Chopped Strand Mat has Lloyd's Register of Shipping Approval, Garnisher Lloyd, Det Norske Veritas, and ISO 9002 approvals.

### ADVANTAGES:

Easy air removal and rapid resin impregnation.

Drapes well to suit the surface of complex moulds.

Fast wet-through and wet-out due to excellent styrene solubility of binder.

Easy handling and better appearance of the composite part.

Good surface bonding and high strand integrity.

Compatible with most unsaturated polyester resins.

### APPLICATIONS:

Hand lay-up for moulding objects of low curvature, or of small quantity, or objects requiring a well finished surface. End products include corrugated sheet, flat sheet, marine applications, motor vehicle components, bathtubs, containers, water tanks, furniture, ponds, etc.

### PHYSICAL PROPERTIES:

Roll width: 1040mm.

Average roll weight: 30kg.

Average roll length 225gsm 133mtr

230gsm 125mtr.

300gsm 96mtr.

450gsm 64mtr.

600gsm 48mtr.

900gsm 40mtr

Strand Length: 50mm

Filament Diameter: 12 microns.

Moisture content: 0.3% max.

### WARRANTY:

Fiberglass (A/Asia) Sales Pty. Ltd. warrants that this product conforms to the product description contained herein. No other guarantee or warranty is expressed or implied, including warranties of merchantability or fitness for a particular purpose. Singapore Fiberglass (A/Asia) Sales Pty. Ltd. shall not be liable for incidental, consequential, or other damages resulting from user negligence, breach of warranty, or any other theory arising out of the use or handling of this product.

End users are at all times encouraged to first conduct their own tests on the product to verify its suitability for their intended use.