

Technical Data Sheet

NO.: 053.06022.010

Identification

| | |
|--|--|
| | <p>Example: TLXM600/225</p> <p>TLXM: Triaxial (0°+/-45°) with mat</p> <p>600: Nominal weight per square meter (g/m²) of Triaxial</p> <p>225: Nominal weight per square meter (g/m²) of mat</p> |
|--|--|

Specifications

| Constructions | Standard NO. | Area Weight | | Tolerance % | Material |
|-------------------|--------------|------------------|--------------------|-------------|-------------------|
| | | g/m ² | Oz/yd ² | | |
| 0° | ISO 3374 | 283 | 8.36 | ±5 | E-Glass 1200tex |
| +45° | ISO 3374 | 156 | 4.60 | ±5 | E-Glass 200tex |
| 90° | ISO 3374 | / | / | / | / |
| -45° | ISO 3374 | 156 | 4.60 | ±5 | E-Glass 200tex |
| Mat | ISO 3374 | 225 | 6.64 | ±10 | E-Glass 2400tex |
| Stitching Yarn | ISO 3374 | 6 | 0.18 | ±5 | Polyester 83d'tex |
| Total Area Weight | ISO 3374 | 826 | 24.37 | ±5 | / |

Remark: Above are standard specifications, other customized specifications to be discussed.

Technical parameters

| | | | |
|-----------------------------|---------------------------------------|-------------------|---------------------------------------|
| Stitch Gauge | E 06 GG | Stitch Type | Tricot Stitch |
| Stitch Length | 2.63mm | Warp Thread Count | 23.6Threads/10cm or 6.0Threads/1inch |
| | 0.1in | Weft Thread Count | / |
| +45° Thread Count | 77.9Threads/10cm or 19.8Threads/1inch | -45° Thread Count | 77.9Threads/10cm or 19.8Threads/1inch |
| Width(Stitch or Loom Edges) | 100 ~2540 mm(±10mm) | Standard Width | 1270mm/50inch |
| | 3.9 ~100inch (±0.4inch) | Fringe | ≤5mm/ ≤0.2inch |

Remark: Above are standard specifications, other customized specifications to be discussed.

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Physical Properties

| | | | |
|------------------|-------|------------------|-----------|
| Moisture Content | ≤0.2% | Loss on Ignition | 0.5%~4.0% |
|------------------|-------|------------------|-----------|

Packing

| Roll Packing | | | | | | | | |
|----------------|------------------------------------|---------------|------|-------------|------|-------|----------------|---------------------------------|
| Roll Diameter | | Roll Length | | Roll Weight | | Width | | Packing Material |
| mm | inch | m | yds | kg | lbs | mm | inch | |
| 250 | 9.84 | 48 | 52 | 50 | 110 | 1270 | 50 | Carton |
| 320 | 12.60 | 86 | 94 | 90 | 198 | 1270 | 50 | Carton |
| 380 | 14.96 | 121 | 132 | 127 | 280 | 1270 | 50 | Craft Paper and Honeycomb Board |
| Pallet Packing | | | | | | | | |
| Packing/Pallet | | Rolls /Pallet | N.W. | | G.W. | | Pallet Size | |
| | | | kg | lbs | kg | lbs | mm | inch |
| 250 | 4rolls×4layers | 16 | 800 | 1764 | 846 | 1865 | 1300×1120×1130 | 51×44×44 |
| 320 | 3rolls×3layers | 9 | 810 | 1786 | 840 | 1852 | 1320×960×1090 | 52×38×43 |
| 380 | 3rolls×3layers (vertical pallet) | 9 | 1143 | 2520 | 1173 | 2586 | 1140×1140×1430 | 45×45×56 |
| | 3rolls×2layers (horizontal pallet) | 6 | 762 | 1680 | 787 | 1735 | 1300×1120×890 | 51×44×35 |

Remark:

- 1.Roll weight can be customized.
2. All packing is NMG standard packing. Neutral packing & Customized packing to be discussed.

Storage

It is recommended that the fiber glass products be stored in a cool and dry environment.

The recommended temperature range of storage is between 10 ~ 30°C while the relative humidity is between 50 ~ 75%. The fiber glass products should remain in good packaging until using.

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| Container Packing- for Roll Diameter 250mm | | | | |
|---|---|------------|---------------------|---------------------|
| Container Type | Size | Load | N.W. | G.W. |
| 20'FCL | 5.87m×2.33m×2.35m 19.3ft×7.6ft×7.7ft | 16 Pallets | 12800kg 28219lbs | 13536kg 29842lbs |
| 40'FCL | 12m×2.33m×2.35m 39.3ft×7.6ft×7.7ft | 25 Pallets | 20000kg 44092lbs | 21150kg 46628lbs |
| 40'HC | 12m×2.33m×2.66m 39.3ft×7.6ft×8.7ft | 25 Pallets | 20000kg 44092lbs | 21150kg 46628lbs |

| Container Packing- for Roll Diameter 320mm | | | | |
|---|---|------------|---------------------|---------------------|
| Container Type | Size | Load | N.W. | G.W. |
| 20'FCL | 5.87m×2.33m×2.35m 19.3ft×7.6ft×7.7ft | 20 Pallets | 16200kg 35715lbs | 16800kg 37038lbs |
| 40'FCL | 12m×2.33m×2.35m 39.3ft×7.6ft×7.7ft | 25 Pallets | 20250kg 44644lbs | 21000kg 46297lbs |
| 40'HC | 12m×2.33m×2.66m 39.3ft×7.6ft×8.7ft | 25 Pallets | 20250kg 44644lbs | 21000kg 46297lbs |

| Container Packing- for Roll Diameter 380mm | | | | |
|---|---|------------|---------------------|---------------------|
| Container Type | Size | Load | N.W. | G.W. |
| 20'FCL | 5.87m×2.33m×2.35m 19.3ft×7.6ft×7.7ft | 16 Pallets | 15240kg 33598lbs | 15680kg 34568lbs |
| 40'FCL | 12m×2.33m×2.35m 39.3ft×7.6ft×7.7ft | 22 Pallets | 20955kg 46198lbs | 21560kg 47532lbs |
| 40'HC | 12m×2.33m×2.66m 39.3ft×7.6ft×8.7ft | 22 Pallets | 20955kg 46198lbs | 21560kg 47532lbs |

Disclaimer

As a service to customers, NMG Composites Co.,LTD may provide computer-generated predictions of the physical performance of a product using a reinforcement fabric produced by NMG in combination with other materials or systems.

NMG makes no warranty whatsoever as to the accuracy of any such predicted physical performance, and customer acknowledges that customer is solely responsible for determining the performance and fitness for a particular use of any product produced by customer utilizing a fabric or material produced or manufactured by NMG.

Specifications of reinforcements may change without notice.

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