

Technical Data Sheet

NO.: 043.04022.010

Identification

	<p>Example: BXM400/225</p> <p>BXM: Double Bias ($\pm 45^\circ$) with mat</p> <p>400: Nominal weight per square meter (g/m^2) of Double Bias</p> <p>225: Nominal weight per square meter (g/m^2) of mat</p>
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Specifications

Constructions	Standard NO.	Area Weight		Tolerance %	Material
		g/m^2	Oz/yd^2		
0°	ISO 3374	1.3	0.04	± 5	E-Glass 68tex
+45°	ISO 3374	201	5.93	± 5	E-Glass 300tex
90°	ISO 3374	1.3	0.04	± 5	E-Glass 68tex
-45°	ISO 3374	201	5.93	± 5	E-Glass 300tex
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	636	18.75	± 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	2.1Threads/10cm or 0.5Threads/1inch
	0.1in	Weft Thread Count	2.1Threads/10cm or 0.5Threads/1inch
+45° Thread Count	66.8Threads/10cm or 17.0Threads/1inch	-45° Thread Count	66.8Threads/10cm or 17.0Threads/1inch
Width(Stitch or Loom Edges)	100 ~2540 mm($\pm 10\text{mm}$)	Standard Width	1270mm/50inch
	3.9 ~100inch ($\pm 0.4\text{inch}$)	Fringe	$\leq 5\text{mm}/ \leq 0.2\text{inch}$

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Physical Properties

Moisture Content	≤0.2%	Loss on Ignition	0.5%~4.0%
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Packing

Roll Packing								
Roll Diameter		Roll Length		Roll Weight		Width		Packing Material
mm	inch	m	yds	kg	lbs	mm	inch	
250	9.84	62	68	50	110	1270	50	Carton
320	12.60	112	122	90	198	1270	50	Carton
380	14.96	158	173	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.

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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