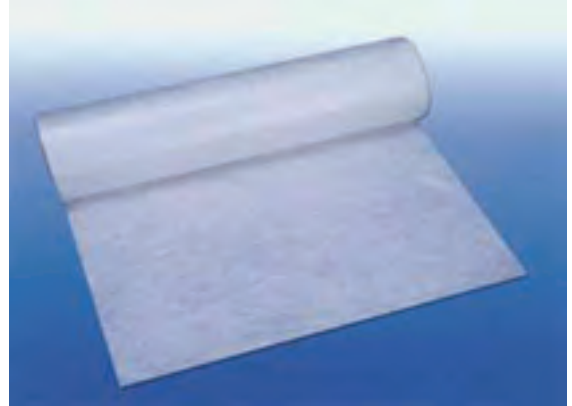


Emulsion Chopped Strand Mat **N124**

➤ APPLICATION

N124 is a multi-compatible chopped strand mat bonded with an emulsion resin binder, specifically designed to achieve optimum results in orthophthalic and isophthalic polyester, vinyl ester, epoxy, flame retardant and corrosion resistant resins. It is manufactured to a very high standard, for use in hand lay up applications. This mat is used for boat hulls and decks, swimming pools, seating, water tanks, chemical storage tanks, large diameter pipes, housings, shrouds and transparent corrugated sheetings.



➤ FEATURES

- Fine strand and superior chemistry
- Superb dry mat integrity, no flying fiber
- Quick wetting and rapid air release
- Soft to handle with good conformity
- Excellent fiber distribution and mat weight uniformity
- Suitable for single and multiply molding
- Excellent drapability
- Very high tensile strength, suitable for large-area parts
- Complies with JIS R3411:2006, DIN 62853: 1987 and BS3496:1989

➤ PRODUCTS AVAILABLE

Standard weights		Standard widths		roll Length		roll Weight	
g/m ²	oz/sq.ft.	cm	inch	m	yds	kgs	lbs
225	3/4	104	41"	128	140	30	66
		208	82"			60	132
300	1	104	41"	96	105	30	66
		208	82"			60	132
380	1-4/15	104	41"	76	83	30	66
		208	82"			60	132
450	1-1/2	104	41"	64	70	30	66
		208	82"			60	132
600	2	104	41"	48	52	30	66
		208	82"			60	132
900	3	104	41"	32	35	30	66
		208	82"			60	132

➤ USER BENEFITS

- Itch-free and more worker-friendly during handling N124 mat
- Flexible mat densities design according to the customers' specific requirement
- Maximum molding productivity and reduced cost
- Less resin absorption characteristics
- Minimizes print-through, resulting in smooth surface finishes

Non-standard widths and weights considered on request.

Minimum order quantity to be advised per specific order.

➤ TECHNICAL CHARACTERISTICS

Property			Testing Method	N124 Mat	JIS R3411	DIN 62853
Glass Sizing				Silane	N/A	Silane
Fiber Diameter (μm)			ISO 1888 : 2006	12	N/A	<19
Linear density of strands (Tex)			ISO 1889 : 2009	30	N/A	15~80
Mass variation per unit area			ISO 3374 : 2000	< ± 15	± 20	± 15
Mat thickness (mm)	225g/m ²	3/4o.z.	ISO 3616 : 2001	0.43 ± 0.02	N/A	N/A
	300g/m ²	1o.z.	ISO 3616 : 2001	0.52 ± 0.02	N/A	N/A
	450g/m ²	1-1/2o.z.	ISO 3616 : 2001	0.67 ± 0.02	N/A	N/A
loss on Ignition (%)	225g/m ²	3/4o.z.	ISO 1887 : 1995	4.5	<10	< ± 30
	300g/m ²	1o.z.	ISO 1887 : 1995	4.0	<10	< ± 30
	450g/m ²	1-1/2o.z.	ISO 1887 : 1995	3.8	<10	< ± 30
Solubility in styrene (s)			ISO 2558 : 2010	<40	<180	<180
Moisture content (%)			ISO 3344 : 1997	≤ 0.20	≤ 0.2	≤ 0.1
Tensile strength (N)	225g/m ²	3/4o.z.	ISO 3342 : 1995	≥ 80	N/A	N/A
	300g/m ²	1o.z.	ISO 3342 : 1995	≥ 100	N/A	≥ 50
	450g/m ²	1-1/2o.z.	ISO 3342 : 1995	≥ 120	N/A	≥ 75
Resin Consumption (%)	225g/m ²	3/4o.z.	ISO 1172 : 1996	71 ± 2	N/A	N/A
	300g/m ²	1o.z.	ISO 1172 : 1996	67 ± 2	N/A	N/A
	450g/m ²	1-1/2o.z.	ISO 1172 : 1996	66 ± 2	N/A	N/A
Wet out (s)			ISO 7822 : 1990	< 120	≤ 180	N/A
Flexural strength of polyester laminate (Mpa)	Dry		ISO14125: 1998	≥ 123	≥ 123	≥ 120
	Wet		ISO14125: 1998	≥ 103	≥ 103	≥ 115
Tensile strength of polyester laminate (Mpa)			ISO527-4 : 1997	≥ 72	N/A	≥ 67

➤ INDIVIDUAL AND BULK PACKAGING

Each roll is wound in polythene bag and cardboard box

All densities are 28cm in diameter

16 rolls per one 114cm × 114cm pallet.

About 9600kgs to a 20' container

➤ STORAGE

Chopped strand mat should be stored in the original packaging in a dry and constant temperature. Boxes of chopped strand mat should preferably be stored on end. It is recommended that glass fiber be kept at a temperature not exceeding 35°C and a relative humidity not exceeding 65%. If the product is stored at low temperature (below 15°C), it is advisable to condition the mat in workshop for at least 24 hours before use, to prevent condensation.

These data, which are subject to change, are offered solely as a guide in the selection of reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability arising out of its use or performance. Users of our products should make their own tests to determine the suitability of each such product for their particular purposes. Nothing contained in this brochure is to be understood as authorization or recommendation to infringe any patent or violate any law or safety code.

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