

TECHNICAL DATA SHEET

COMBI MAT NEEDLED

CNL-240/200-125x200



Specifications		Unit	Value	Tolerance	Standard
Fiber material	E-Glass	-	-	-	-
Raw material warp	Direct Roving	tex	600	-	-
Raw material weft	Direct Roving	tex	410	-	-
Input Material Layer 1	Chopped Strand Mat	g/m ²	200	-	ISO 3374:2000
Input Material Layer 2	Woven Roving	g/m ²	240	-	ISO 3374:2000
Basis weight	-	g/m ²	440	± 10%	ISO 3374:2000
Shape	Roll	-	-	-	-
Width	-	cm	125 - 300	± 1%	ISO 22198:2006
Lenght	-	m	200	-	ISO 22198:2006
Density	Warp	threads/10cm	25	± 1	ISO 4602:2010
	Weft	threads/10cm	22	± 1	ISO 4602:2010
Weave	Plain	-	-	-	ISO 2113:1996
Cardboard diameter	-	mm	100	-	-



Product web page:

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Information

1. Concrete components

1.1. Textile concrete components are currently not subject to any building authority approvals (standards, guidelines etc.). In the case of structural building sites, building authorities must be consulted with test stators, experts etc. and country-specific regulations must be observed (e.g. approvals of specific cases).

1.2. It is recommended to check these values in the concrete component (on site the prefabricated concrete plant) in order to detect individual influences from the concrete mix.

1.3. Consider working temperatures and resistance, installation only by trained staff, use suitable concrete mixtures, wear safety gloves and goggles. Please, consider additional protective measures!

1.4. The tensile strength was derived from experimental investigations based on roving tests. The values provided here represent short-term static tensile strength. At room temperature (20°C); the influences of durability, long-term loads, cyclic stresses etc. are not taken into consideration.

1.5. Since non-metallic reinforcements are not regulated in local standards or guidelines in most countries, for structural members building authorities, structural engineers, experts, etc. Must be involved and local regulations must be observed (e.g. approval in individual cases).

2. Certifications

2.1. Our Management System is in accordance with the requirements of the management system standards ISO 9001:2015 and ISO 14001:2015.

3. Disclaimer

3.1. 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. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Kindly note that under certain conditions the properties can be affected to a considerable extent by the machining or processing. Application, use, and processing of products is effected beyond our possible control, and accordingly is the sole and exclusive responsibility of recipients. Statements in this data sheet shall not be construed as representations of warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation.

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TECHNICAL DATA SHEET

COMBI MAT NEEDLED

CNL-300/300-125x100



Specifications		Unit	Value	Tolerance	Standard
Fiber material	E-Glass	-	-	-	-
Raw material warp	Direct Roving	tex	600	-	-
Raw material weft	Direct Roving	tex	600	-	-
Input Material Layer 1	Chopped Strand Mat	g/m ²	300	-	ISO 3374:2000
Input Material Layer 2	Woven Roving	g/m ²	300	-	ISO 3374:2000
Basis weight	-	g/m ²	600	± 8%	ISO 3374:2000
Shape	Roll	-	-	-	-
Width	-	cm	125 - 300	± 1%	ISO 22198:2006
Lenght	-	m	100	-	ISO 22198:2006
Density	Warp	threads/10cm	25	± 1	ISO 4602:2010
	Weft	threads/10cm	25	± 1	ISO 4602:2010
Weave	Plain	-	-	-	ISO 2113:1996
Cardboard diameter	-	mm	100	-	-



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TECHNICAL DATA SHEET

COMBI MAT NEEDLED
CNL-318/300-122,5x120

Specifications		Unit	Value	Tolerance	Standard
Fiber material	E-Glass	-	-	-	-
Raw material warp	Direct Roving	tex	300	-	-
Raw material weft	Direct Roving	tex	300	-	-
Input Material Layer 1	Chopped Strand Mat	g/m ²	300	-	ISO 3374:2000
Input Material Layer 2	Woven Roving	g/m ²	318	-	ISO 3374:2000
Basis weight	-	g/m ²	618	± 8%	ISO 3374:2000
Shape	Roll	-	-	-	-
Width	-	cm	122,5	± 2	ISO 22198:2006
Lenght	-	m	120	-	ISO 22198:2006
Density	Warp	threads/10cm	56	± 1	ISO 4602:2010
	Weft	threads/10cm	50	± 1	ISO 4602:2010
Weave	Plain	-	-	-	ISO 2113:1996
Cardboard diameter	-	mm	100	-	-



Product web page:

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Information

1. This product is still in development stage and the values given in this TDS are on the basis of preliminary results for information only and might change.

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TECHNICAL DATA SHEET

COMBI MAT NEEDLED

CNL-420/225-40x50



Specifications		Unit	Value	Tolerance	Standard
Fiber material	E-Glass	-	-	-	-
Raw material warp	Direct Roving	tex	1.200	-	-
Raw material weft	Direct Roving	tex	1.200	-	-
Input Material Layer 1	Chopped Strand Mat	g/m ²	225		ISO 3374:2000
Input Material Layer 2	Woven Roving	g/m ²	420		ISO 3374:2000
Basis weight	-	g/m ²	645	± 8%	ISO 3374:2000
Shape	Roll	-	-	-	-
Width	-	cm	40 - 300	± 1%	ISO 22198:2006
Lenght	-	m	50 - 150	-	ISO 22198:2006
Density	Warp	threads/10cm	18	± 1	ISO 4602:2010
	Weft	threads/10cm	17	± 1	ISO 4602:2010
Weave	Plain	-	-	-	ISO 2113:1996
Cardboard diameter	-	mm	100	-	-



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