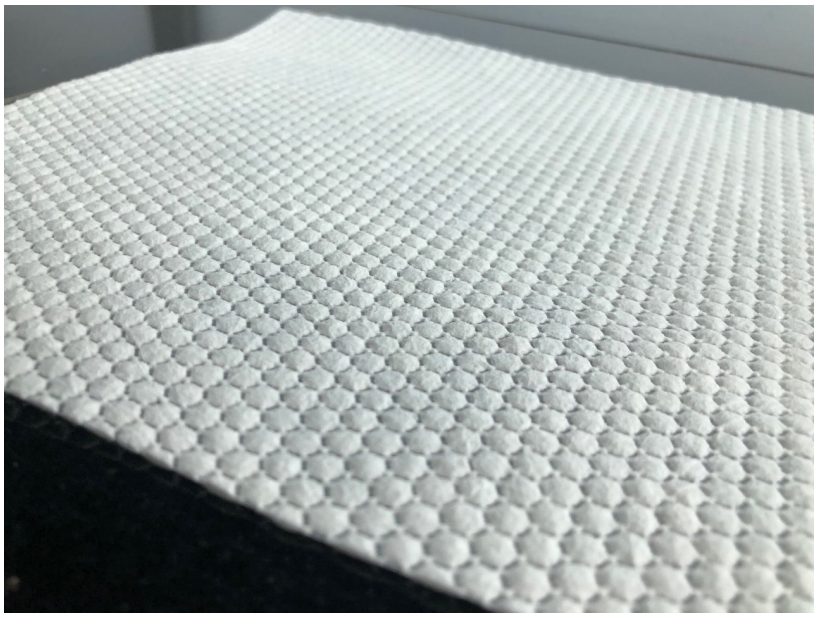
CARBON CORE
HONEYCOMB ENGINEERING

Product Data Sheet: HX Type CM



- The cost effective solution for closed mold processes ,infusion, LRTM, RTM, compression molding
- Used as core material
- Pressure stable nonwoven and compatible with all regular types of resins, including polyester, vinyl ester, phenolic and epoxy
- Used as infusion or resin transfer medium/core combination

CHARACTERISTICS

- Perforated

Mechanical Properties 1.5 mm	Unit	Value	Test Method
Flexural Strength	PSI	5800	ASTMD 790
Flexural Modulus	PSI	230000	ASTM D790
Tensile Strength across layers	PSI	1000	ASTM C297
Compressive Strength	PSI	510	ISO
Shear Strength	PSI	1400	ASTM C273
Shear Modulus	PSI	4500	ASTM C273

INDUSTRIES

- Marine: hulls, decks and structures of boats and yachts
- Transportation: parts and panels of cars, trailers, trucks and RV's
- Mass transit: interior and exterior of trains, light rail and buses
- Leisure: kayaks, surfboards, pools and bath tubs
- Industrial: architectural panels, fans, containers and tanks
- Wind Energy: nacelle covers and blades

PROCESSING

Regular established practices for composites closed mold lamination.

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Product Description:	Non-woven core material		
Base material:	Proprietary veil, volumized with thermoplastic micro-spheres		
Thickness: **(+/- 10%)**	1.5 mm	2 mm	3 mm
Weight: **(+/- 15%)**	100 g/m^2	110 g/m^2	125 g/m^2
Width: **(+ 40 / - 20 mm)**	100-300 cm	100-300 cm	100-300 cm
Roll length:	90 m	70 m	50 m
Weight per roll: **(approx.)**	9 kg	7.7 kg	6.3 kg
Packaging:	Plastic bag		
Storage:	Material should be stored in original packaging, away from humidity, in well-ventilated rooms, at a moderate temperature.		

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