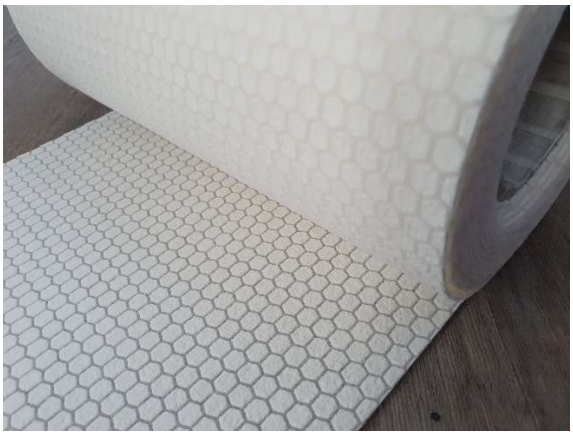
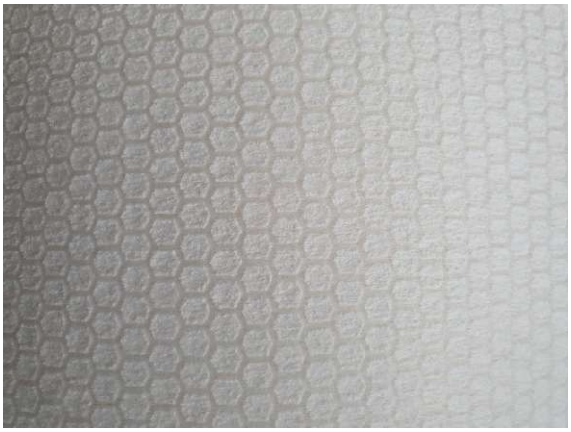
One source for all your core material needs:

CARBON CORE EUROPE GMBH

Coretech PM





Advantages	Applications	Processing
• Cell size: 8 mm • Core and infusion medium • Pressure resistant • Good bonding with skin layers	• Marine • Transportation • Leisure • Industrial • Wind energy	• Vacuum infusion, LRTM, RTM • Compatible with common resin types such as UP, VE, EP

Properties	Unit	PM 1,5	PM 2,0	PM 3,0	PM 4,0	PM 5,0	PM 6,0
Thickness	mm	1,5	2,0	3,0	4,0	5,0	6,0
Thickness loss at 0,8 bar	%	< 8	< 8	< 8	< 8	< 8	< 8
Roll length	m	80	80	50	40	30	25
Roll width	m	1,27	1,27	1,27	1,27	1,27	1,27
Max. processing temperature	°C	175	175	175	175	175	175
Dry weight	g/m²	125	140	180	250	330	350
Resin uptake	g/m²/mm	400 - 500	400 - 500	400 - 500	400 - 500	400 - 500	400 - 500
Density impregnated	kg/m³	500 - 600	500 - 600	500 - 600	500 - 600	500 - 600	500 - 600

Mechanical Properties (with UP resin)	Unit	Value	Test Method
Flexural strength	Mpa	8,5	ASTM D790
Flexural modulus	Mpa	900	ASTM D790
Tensile strength across layers	Mpa	4,5	ASTM C297
Compression strength: 10%strain	Mpa	8	ISO 844
Shear strength	Mpa	4	ASTM C273-61
Shear modulus	Mpa	38	ASTM C273-61

Disclaimer: Technical data provided by the manufacturer. All tests have been carried out by an independent laboratory. All information contained in this document regarding our products, processes and equipment, is intended to be up to date, accurate, and complete ; it is subject to modifications without prior notification ; it does not constitute a commitment, neither a contractual document. Carbon Core Europe GmbH makes no warranties of any kind regarding these materials or information. It is the user's and/or purchaser's responsibility to assess suitability of said material and carry out sufficient testing for its intended purpose. Carbon Core Europe GmbH will not assume any liability from use or misuse of data presented herein