

COLOURED ADVANCED MATERIALS

CARBON FIBRE

CARBON FIBRE RANGE

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HYPETEX® is responsible for converting innovative ideas into beautiful composite solutions. We are pioneers in adding visual aesthetics to high performance advanced engineered materials. We actively invest in re-discovering the use of carbon composites for visual application and beyond. A good design for us is one that meets both appearance and functionality, it is our experience and understanding of composite technology that makes us market leaders.

HYPETEX® colouring technologies are optimised for either thermoset or thermoplastic matrix systems, and are mechanically characterised to aid structural optimisation. All our materials are quality assured to the highest industry standards. Our technologies use water based resins and nano pigments that puts colour onto the composite at the point of production, removing the need for expensive paints or coatings. The result is a colourful premium aesthetic part straight from the mould, reducing post processing costs and offering a more environmentally friendly colouring solution.

HYPETEX® material solutions include premium traditional woven and spread tow fabrics (see following pages) which are run frequently. Alternative weights or tow size are also available upon request. Our colouring technology adds a binder to the fabric which enhances fabric stability during cutting and preforming operations.

HYPETEX® also support **non woven UD**, and bespoke fabric **designs** or specific materials as required by our clients.

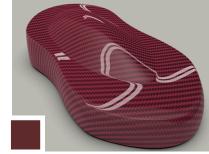






Pantone 282c

Pantone 6c





Pantone 188c

Pantone 490c



MARGAUX

Pantone 2695c











YAZ



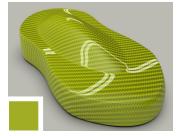
MICHELANGELO Pantone 5743c



2/2 TWILL 260GSM 260GSM / 2x2TW / FT300B 3K 1000mm / 1250mm HYPETEX® 260gsm is a 245gsm twill carbon that has good pliability for forming complex contours and it is better at maintaining it's fabric stability and less potential stress concentrations. The tighter weave than the 210gsm gives the fabric an increased stability but less drapability. Control of the contro **MATERIAL** BENEFITS Material(s) Outstanding visual Carbon Fibre(s) High Strength (HS) quality for cosmetic **Number of filaments 3K** par ts Excellent fibre **CONSTRUCTION** alignment and flat Total weight 260±3% gsm weft yarn insertion Fibres orientation 0°/90° (BT) Ideal for prepreg Warp 6.1 ends/cm and infusion Weft 6.1 ends/cm **Pattern** Twill 2/2 processes







BOLT Pantone 382c

JET BLACK Pantone 6c



CHAPEL Pantone 282c









2/2 TWILL





MALABAR Pantone 130c





TENDULKAR Pantone 300c





ZLATAN Pantone 379c



Pantone 186c

MOSS



Pantone 355c



TITANIUM Pantone 877c



Pantone 3302c

ZANDVOORT Pantone 1585c **ZIDANE** Pantone 648c



PLAIN WEAVE

220GSM

220GSM / PW / FT300B 3K 1000mm / 1250mm

HYPETEX® 220gsm is a 200gsm plain weave carbon that looks symmetrical with a small checkerboard style appearance. In this weave the tows are woven in an over/under pattern. The short space between interlaces give the plain weave a high level of stability.

MATERIAL

Material(s) Carbon Fibre(s) High Strength (HS)

Number of filaments 3K

CONSTRUCTION

Total weight 220±3% gsm 0°/90° (BT) 5.5 ends/cm Fibres orientation Warp Weft 5.5 ends/cm **Pattern**

BENEFITS

- Outstanding visual quality for cosmetic par ts
- Excellent fibre alignment and flat weft yarn insertion
- Ideal for prepreg and infusion processes



ASPREY Pantone 2090c



BOLT Pantone 382c



CHAPEL Pantone 282c









MALABAR Pantone 130c



MARGAUX Pantone 2695c



WEAVE

MICHELANGELO Pantone 5743c



Pantone 186c

MOSS Pantone 355c



OAK Pantone 490c



PROST Pantone 2728c



SUZUKA Pantone 2039c



TENDULKAR Pantone 300c



TITANIUM Pantone 877c



Pantone 3302c



ZANDVOORT Pantone 1585c



ZIDANE Pantone 648c



Pantone 379c

100 GSM UNI DIRECTIONAL 100GSM / UD / TR50S 15K 1000mm HYPETEX® 00gsm is a 79gsm UD is a non-woven, featuring all fibres running in a single, parallel direction enabling a concentrated density of fibres that provide maximum longitudinal tensile potential. A PA web with a resin-compatible adhesive is used for fabric stability. **MATERIAL** BENEFITS Material(s) Carbon Maximum longitudinal Fibre(s) High Stength (HS) tensile potential Number of filaments 15K **CONSTRUCTION** Isotropic material Total weight 100gsm *Controlled constructions of Fibres orientation Uni Directional precision parts and precise engineering in layups 10 VOLUME 4 2025



ASPREY Pantone 2587c



Pantone 7765c **BOLT**

Pantone 6c



CHAPEL Pantone 289c





MARGAUX Pantone 262c MICHELANGELO Pantone 2427c

DIRECTIONAL



Pantone 1797c

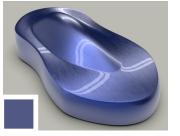


TITANIUM Pantone 877c



JET BLACK

OAK Pantone 490c



MALABAR Pantone 130c

PROST Pantone 287c



SUZUKA Pantone 232c



TENDULKAR Pantone 2925c



YAZ Pantone 627c



ZANDVOORT Pantone 715c



ZIDANE Pantone 655c



ZLATAN Pantone 397c

120GSM **SPREAD TOW** 120GSM / ST / TR50S 15K 1000mm **HYPETEX**® 120gsm is a 110gsm spread-tow carbon fabric. Manufactured using a special 'spreading' technology to make the individual tows of carbon fibre very flat and wide. The result is a fabric that is smoother and flatter than a conventional woven cloth with less crimp, providing marginal stiffness advantages. **MATERIAL** BENEFITS Material(s) Carbon Outstanding flat and Fibre(s) High Strength (HS) smooth surface Number of filaments 15K finish **CONSTRUCTION** Ultra light and thin **Total weight** 120±5% gsm ply thickness for Fibres orientation 0°/90° (BT) reduced weights Warp tape 55gsm Straighter fibre Weft tape 55gsm with reduced crimp Stabilising material 10gsm optimise Plain Pattern Ideal for prepreg and infusion processes



ASPREY Pantone 2655c

MOSS

Pantone 711c

Pantone 354c

TITANIUM Pantone 877c



Pantone 7765c **BOLT**



CHAPEL Pantone 289c





MARGAUX Pantone 262c



MICHELANGELO Pantone 2427c

SPREAD

TOW



JET BLACK Pantone 6c



YAZ



Pantone 499c

Pantone 627c



MALABAR Pantone 123c

PROST Pantone 2945c



SUZUKA Pantone 210c



TENDULKAR Pantone 3015c



ZIDANE Pantone 539c

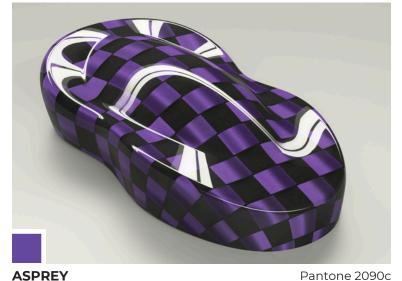


ZLATAN Pantone 100c

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TWO-TONE SPREAD TOW



HYPETEX®

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