



# LWComposites

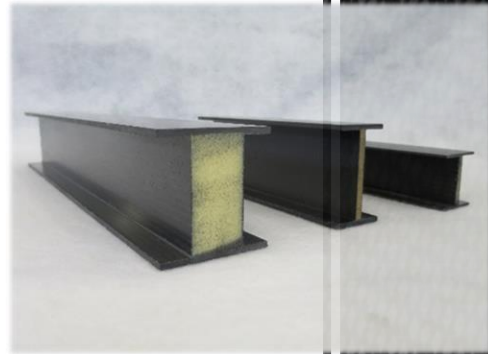
From Innovation to Creation

## LWC I-Beam concept

The LWC Carbonfiber Prepreg I-beams are exceptionally strong in bending and in shear loads.

The use of a lightweight foam in the web allows weight optimization of the web laminate. Without any sacrifices on torsional stiffness.

The uni-directional carbonfiber on top and bottom flanges, combined with the  $\pm 45^\circ$  fibers in the web, provides excellent shear properties.



## Standard Sizes

Model	Thickness <sup>(1)</sup>	Width <sup>(1)</sup>	Weight/m ( $\pm 4\%$ )
43x40 T	43mm	40mm	280g
45x40	45mm	40mm	387g
67x40	67mm	40mm	530g
67x60	67mm	60mm	816g
87x60	87mm	60mm	884g

<sup>(1)</sup>  $\pm 2,5\%$

Beams always to be loaded normal to face of flange

## Additional Options on request

- Custom Thickness
- Custom Flange Thickness
- Custom Width
- Custom Lengths and Precut Lengths (up to 6m)
- Engineering and Design Services

