



# MULTIAXIAL REINFORCEMENTS

Carbon Bi-axial from *Dynanotex*

## Fabric Construction

**G. Angeloni**  
REFERENCE

**DMX 50**

<i>Fabric Construction</i>	
<i>Mass per unit area</i>	<i>g/m<sup>2</sup></i>
<i>Layers Construction</i>	
<i>FIBRE Type</i>	
<i>Width</i>	<i>mm</i>
<i>Thickness</i>	<i>mm</i>
<i>Other Information</i>	

<i>Nominal</i>	<i>Tolerance</i>
<b>57</b>	± 5%
<b>± 45°</b>	± 1°
<i>Standard Modulus carbon</i>	
1270	
<i>from Dynanotex's UD Patent Technology</i>	

<i>PLY Construction</i>	
<i>Fiber Description</i>	
<i>Ply Weight</i>	<i>gr/sqm</i>
<i>Angle tolerance</i>	<i>%</i>
<i>Gauge</i>	

<i>0°</i>	<i>-45°</i>	<i>+45°</i>	<i>Adhesive</i>
<i>Polyester yarn 50 dtex</i>	<i>Dynanotex</i>		<i>epoxy compatible</i>
	<i>HR Carbon fiber 15K - 1000 tex</i>	<i>HR Carbon fiber 15K - 1000 tex</i>	
<b>5</b>	<b>18</b>	<b>18</b>	<b>16</b>
	± 1°	± 1°	

<i>Stitching Fibre</i>	
<i>Stitching Thread</i>	<i>Textured Black Polyester 50 dtex</i>
<i>Stitch Type</i>	<i>Chain</i>
<i>Stitch Weight</i>	<i>gr/sqm</i>
	5

(\*\*) Theoretical thickness for an epoxy laminate with 40% of reinforcement in volume.

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Note : Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable legal restrictions, rests with the user.

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