



**ELG Carbon Fibre Ltd.**  
**RECYCLED CARBON FIBRE**

# CARBISO™ CT+ Chopped Fibre



**Carbiso™ CT+ is precisely chopped carbon fibre tow and is available in 6mm and 12mm lengths, made from standard modulus fibres. We are able to produce CT+ with both PU and PA sizing.**

In comparison to our standard chopped tow product, Carbiso™ CT, the CT+ product is characterised by improved flowability for 'easy dosing' in gravimetric feeding systems for plastic compounding. Our oversized chopped tow is ideal as a reinforcing material for:

- Thermoplastic injection moulding compounds
- Coatings
- Elastomers

The fibres can be used with most thermoset and thermoplastic matrix systems.



## Carbiso™ CT+ Chopped Fibre

### Nomenclature for Carbiso™ CT+ products

Example:

**CARBISO™ CT+ SM45D-06-50**

<b>BRAND NAME</b>	<b>PRODUCT TYPE</b>	<b>FIBRE CLASSIFICATION</b>	<b>DIMENSION</b>
<b>CARBISO™</b>	<b>CT+</b> Oversized Chopped Tow	<b>SM45D</b> Standard modulus fibre with a strength of 4-5GPa, sized dry fibre	<b>06-50</b> 50K tow chopped to 6mm

For additional details please see ELG Technical Note 1702: Product Nomenclature

### Material data of Carbiso™ CT+ products

Typical properties	Units	CT+ SM45D-06-50/ CT+ SM45D-12-50
Fibre diameter	µm	7
Fibre density	kg/m <sup>3</sup>	1800
Fibre length	mm	6/12
Sizing Content (PA/PU)	%	5 (+/-1)
Moisture Content	%	<0.3
Metal Contamination*	g/1000g	<0.1
Packaging (Pillow bag)	kg	15
Tensile Strength**	MPa	4150
Tensile Modulus**	GPa	230-255

\* Our precision chopped fibres have passed through out metal detection and separation systems, metal contamination figures are a guide.

\*\* Mechanical properties quoted are values measures by impregnated strand tests in accordance with ISO:ASTM D4018 – 17

Alternative smaller tow sizes are available on request.

The information presented in this document is provided in good faith, but no warranty is given or is to be implied regarding its accuracy or relevance to any particular application. Users must satisfy themselves regarding the suitability and safety of their use of the information and products in the application concerned.

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