



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

**CARBISO™**



**Chopped Fibre**



**Carbiso™ C chopped fibres are recycled carbon fibres that are suitable for applications such as nonwoven production using wet and dry fibre laying processes, compounding and direct injection moulding applications.**

The fibres are available in a variety of length ranges and can be used with most thermoset and thermoplastic matrix systems.



## Carbiso™ C Chopped Fibre

### Nomenclature for Carbiso™ C products

Example:

**CARBISO™ C SM45R- 3/10**

<b>BRAND NAME</b>	<b>PRODUCT TYPE</b>	<b>FIBRE CLASSIFICATION</b>	<b>DIMENSION</b>
CARBISO™	C	SM45R	03/10
	Standard Chopped	Standard modulus fibre with a strength of 4-5Gpa, pyrolysed fibre	Random chop between 3 -10mm

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

### Material data of Carbiso™ C

Typical properties	Units	Typical Values C SM45R
Carbon fibre content	%	>95
Other fibre content	%	<5
Fibre diameter	µm	7
Fibre length	mm	3 - 10
		10 - 30
		30 - 60
		60 - 90
Tensile Strength**	MPa	3470
Tensile modulus	GPa	246
Fibre density	kg/m <sup>3</sup>	1800
Metal contamination *	g	<0.5g / 1000g
Packaging	kg	5kg bags

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

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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