

Description

Milled carbon fibre is a black filler powder made from finely ground carbon fibres. It can be added to casting resins, tooling resins, thermoplastics, paints, adhesives and coatings to improve tensile strength, dimensional stability and electrical conductivity.

Key Features

- Short strand filler fibre 100µm
- Made from recycled fibres
- Can improve mechanical and electrical properties

Typical Uses

- Can be added to most casting resins, including Polyester, Polyurethane, and Epoxy.
- Can be added to paints and coating resins.
- Sometimes added to thermoplastics such as Nylon for improved properties when injection moulding.

Specification

Typical Properties	Unit	Value
Carbon Fibre Content	%	>98
Fibre Diameter	µm	7
Fibre Length	µm	100
Sizing Content	%	0
Bulk Density	g/l	400
Metal Contamination*	g/1000g	<0.5/1000
Tensile Strength**	MPa	4150
Tensile Modulus**	GPa	230-255

* Milled fibres have passed through a metal detection and separation system, metal contamination figures are a guide.

**Mechanical properties quoted are values measured by impregnated strand tests in accordance with ISO:ASTM D4018-17