

Phlex Fiber re-Evo MCO

Phlex Fibers re-Evo MCO is a wet-laid mat of randomly oriented reclaimed carbon fibers co-mingled with thermoplastic fibers. The material is ideal for compression molding.

Benefits

- Utilizes 100% reclaimed carbon fibers.
- Available using high strength (standard modulus) or intermediate modulus fiber.
- Combined with standard thermoplastic fibers (like PP, PET, PA6) ranging to more advanced fibers (like PPS, PEEK).
- Produced in Lake City, SC

Typical Properties

Property	Value
Fiber Length	13 mm nominal
Areal Weight Variation	± 6% (coefficient of variation)
Content	98% reclaimed carbon fiber 2% binder fiber
Filament Diameter	7 microns (high strength) 5 microns (intermediate modulus)
Sizing Content	0%
Form	Roll
Roll Width	1.2 m
Roll Diameter	400-500 mm nominal
Stitch Bonding	Available Upon Request

Standard modulus or intermediate modulus fiber.

Areal Weight Options

- 100 g/m²
- 200 g/m²
- 400 g/m²

Other custom weights available upon request

Properties	High Strength	Intermediate
Tensile Strength	4,413 MPa	5,480 MPa
Elongation at Break	1.7%	1.9%
Tensile Modulus	231 GPa	276 GPa

Packaging

1 roll per box, net weight varies depending on areal weight