



KORDCARBON -CPREG-EP6

KORDCARBON-CPREG-EP1

Product type:
Tg 140 °C System with
carbon fabric

Typical field of applications:

- Automotive
- Medical applications
- Structural parts

Shelf life:
20 °C: 7 days
-18 °C: 12 months

PRODUCT DESCRIPTION

Kordcarbon-Cpreg-EP6 is a carbon fabric, impregnated with solvent free Epoxy based resin for manufacturing as prepreg. The prepreg grants good drape ability, controlled flow properties very short curing time. That's why it is very applicable for mass production. Typical products are for automotive industry, medical applications and structural parts. The sports and leisure industry increasingly use carbon fibres to fabricate lighter, stronger and high performance products.

Generally speaking, the resin can be filled with a variety of additives to enhance certain features like flame resistance, toughness, UV resistance or colour.

Properties:

- Solvent free
- Rapid curing
- Curing at 100 - 140 °C
- Good drape ability
- Good flow properties
- Good process ability with medium Tack

Resin:

Density: 1,23 g/cm³
Tg: 140 °C

**Fabrics:**

Fibers	Area weight [g/m ²]	Weave	Yarn [K]	Resin content [%]
Carbon	60 - 120	Plain	1	can be set from 30 – 50
Carbon	160 - 600	Plain or Twill	3 - 12	
Carbon	150 - 600	UD	6 - 50	
Hybrid Carbon/Aramid	164 - 190	Plain or Twill	3	

These technical information result from accurately testing and investigations. Regarding to various specific processes, they must be seen as nonbinding values for orientation. Therefore, a claim for warranty can not be derived from this information.