



KORDCARBON -CPREG-EP5

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Product type:
Tg 208 °C System with
carbon fabric

Typical field of applications:

- Tooling (mold construction)
- Automotive
- Motorsports
- Aircraft

Storage life:
20 °C: 5 days
-18 °C: 6 months

PRODUCT DESCRIPTION

Kordcarbon-Cpreg-EP5 is a carbon fabric, impregnated with Epoxy based resin for manufacturing as prepreg. Curing process at low temperatures allows production of high-quality composite tools from low-cost master patterns. It has excellent machinability of cured structures. The high Tg enables applications for tooling manufacturing in automotive, motorsport or aircraft industry. The System offers a high tack, excellent drape ability and handling for unburdened fabrication of complex tool shapes, curing at 55° C and post curing at 190°C.

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
- Primary curing at 55 °C
- Post curing at 190 °C
- Extreme lightness of tools and molds
- Useful for low-cost master models
- Excellent tack, drape and handling
- High Tg

Resin:

Density: 1,23 g/cm³
Tg: 208 °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.