

Material code KR50C450001

Rev. 1.03 18 Sep 09

## KORDO 5C-450-DT120

### General features of the resin matrix external side:

Resin matrix	DT120
Chemical nature	Thoughened thermosetting epoxy
Cure temperature	110 ÷ 145°C
Gel Time @ 120°C	8 ÷ 13 min
Tg after cure	115 ÷ 120°C after 90 min @ 120°C (1)
Viscosity	High (2)
Transparency	Fair
Color stability respect UV exposure	Very good
Adhesion on honeycomb core	Very good

### General features of the resin matrix internal side:

Resin matrix	AU001
Chemical nature	Thermosetting epoxy
Cure temperature	110 ÷ 145 °C
Gel Time @ 120°C	10 ÷ 14 min
Tg after cure	130 ÷ 135°C after 90 min @ 120°C (1)
Viscosity	High (2)

### Inner round core:

Chemical nature	Braid polyester (PET)
Diameter	5,0 ± 0,2 mm
Color	Black/White
Weight	15,0 ± 2,0 g/m

### Features of the impregnated fabric:

Yarn type	Carbon HS - 12K
Fiber Areal Weight	450 ± 15 g/m <sup>2</sup>
Total resin content	40 ± 3 % in weight
Volatile content	< 0,6 % in weight (3)

### General properties:

Height	20 ± 2 mm
Diameter after cure	6,2 ± 0,3 mm
Weight	48 ± 4 g/m
Shelf life	10 days @ 20°C 12 months @ -18°C
Coil	25 ± 5 m
Standard package	2/8 coils

(1) by DSC @ 20°C/min

(2) Complex viscosity > 2.000 Poise @ 60°C (frequency 10 rad/sec)

(3) Measured as weight loss after 15 min in ventilated oven @ 160°C

