

Material code KR30C200001

Rev. 1.03 18 Sep 09

KORDO 3C-200-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	2,1 ± 0,2 mm
Color	Black/White
Weight	2,7 ± 0,5 g/m

Features of the impregnated fabric:

Yarn type	Carbon HS
Fiber Areal Weight	200 ± 10 g/m ²
Total resin content	40 ± 3 % in weight
Volatile content	< 0,6 % in weight (3)

General properties:

Height	13 ± 2 mm
Diameter after cure	2,8 ± 0,2 mm
Weight	12,8 ± 2,0 g/m
Shelf life	10 days @ 20°C 12 months @ -18°C
Coil	50 ± 10 m
Standard package	2/8 coils: 100 m / 400 m

(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