

Technical Data Sheet

RapidTP PC200/GraphenePA11

Product

PC200/GraphenePA11 is a one/two-sided Graphene+PA11 coated Carbon fabric with long out life. The product is suitable for continuous use up to -70/140°C. PC200/GraphenePA11 has a thermoplastic resin combined with Graphene at various loading ratios, delivering a first of its kind ANTI-STATIC up to STATIC DISSIPATIVE composite material, suitable for ESD electronic packaging.

Features

- **Heat performance up to -70/140°C.**
- **Long term service life**
- **Anti-static up to static dissipative surface conduction levels.**
- **Graphene+PA11 coated Carbon fiber can be used a prepreg or laminate**
- **Excellent mechanical properties at ambient and elevated temperatures.**
- **Tailor made solution: can be made with one/two sides coating, variable aerial weight.**

STYLE	SI UNITS	
TYPE OF YARNS	<i>Warp Yarn</i>	3K 200 TEX
	<i>Fill Yarn</i>	3K 200 TEX
WEAVE STYLE	<i>plain</i>	
NOMINAL CONSTRUCTION	<i>Warp count</i>	5/cm
	<i>Weft count</i>	5 /cm
PREPREG	<i>Thickness</i>	275µm +/-25
	<i>Weight</i>	300 gsm +/-20
	<i>Type</i>	Graphene+PA11
PROCESSING	<i>Resin m.p</i>	180°C
	<i>Temperature</i>	≥210°C
	<i>Pressure</i>	≥5bar

*NOTE: other fabric construction/weight, type of thermoplastic polymer and Graphene loading ratio available upon request.

IMPORTANT

All information is believed to be accurate but is given without acceptance of liability. All values have been generated from limited data. The values listed for weight and thickness are typical greige values, unless otherwise noted. Processing guidelines can vary between users and applications and the data provided can serve as an initial starting point.

