

## PREPREG DATA SHEET

# CI-200/1250 C901 45 T05-F

### DESCRIPTION

CI-200/1250 C901 45 T05-F is a Carbon fiber fabric impregnated with epoxy resin. The nomenclature is as follows

CI<sub>1</sub>-200<sub>2</sub>/1250<sub>3</sub> C901<sub>4</sub> 45<sub>5</sub> T05<sub>6</sub>-F<sub>7</sub>

- |  |   |
|--|---|
| <b>1:</b> Trademark                        | <b>2:</b> Fabric area weight in (g/m <sup>2</sup> ) |
| <b>3:</b> Width of the material (1250 mm)  | <b>4:</b> Resin system (EP...Epoxy)                 |
| <b>5:</b> Resin content ±3 in mass (41 %)  | <b>6:</b> Fabric style [it includes Fiber type]     |
| <b>7:</b> F = Fabric / UD = Unidirectional |   |

### REINFORCING MATERIAL

Property	Symbol	Value	Unit
Material	T05	Carbon	
Fiber diameter	Ø	7	µm
Fiber density	ρ <sub>F</sub>	1,76	g/cm <sup>3</sup>
Tow	-	3	K
Fabric weave	T	Twill 2x2	
Area weight	-	200 ± 5%	g/m <sup>2</sup>
Set of warps Set of wefts	- -	5,0/5,0	yarn/cm yarn/cm
Fiber Type	HTS		

### MATRIX PROPERTIES

The technical data sheet of the Resin shows the details.

### Prepreg Properties:

Fiber Areal weight:	g/m <sup>2</sup>	200
Resin Content:	%	45
Prepreg Areal Weight:	g/m <sup>2</sup>	364
Width:	mm	1250