

PREPREG DATA SHEET

CI-200/1250 C0022 48 T05-F

DESCRIPTION

CI-200/1250 C0022 48 T05-F is a Carbon fiber fabric impregnated with epoxy resin. The nomenclature is as follows

CI₁-200₂/1250₃ C0022₄ 48₅ T05₆-F₇

1: Trademark

3: Width of the material (1250 mm)

5: Resin content ± 3 in mass (42 %)

7: F = Fabric / UD = Unidirectional

2: Fabric area weight in (g/m²)

4: Resin system (EP...Epoxy)

6: Fabric style [it includes Fiber type]

REINFORCING MATERIAL

Property	Symbol	Value	Unit
Material	T05	Carbon	
Fiber diameter	Ø	7	µm
Fiber density	ρ _F	1,76	g/cm ³
Tow	-	3	K
Fabric weave	T	Twill 2x2	
Area weight	-	200 ± 5%	g/m ²
Set of warps Set of wefts	- -	5x5	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 ²	200
Resin Content:	%	48%
Prepreg Areal Weight:	g/m ²	385
Width:	mm	1.250

LAMINATE MECHANICAL PROPERTIES

The mechanical properties are based on a laminate cured in a press under the recommended curing cycle.

Property	Units	Value
Tensile strength 0°	MPa	Tbd
Tensile modulus 0°	GPa	Tbd
Elongation at break 0°	%	Tbd
Interlaminar shear strength 0°	MPa	Tbd
Flexural Strength 0°	MPa	Tbd
Flexural-Modulus 0°	MPa	Tbd
Fiber Volume Fraction	Vf (%)	Tbd
Cured Ply Thickness	CPT	Tbd

*The specified values are average values from several measurements and can vary.