

Materials List for:

Structural Design and Manufacturing of a Cruiser Class Solar Vehicle

Giangiacomo Minak^{1,2,3}, Tommaso M. Brugo¹, Cristiano Fragassa^{1,2}, Ana Pavlovic², Felipe V. de Camargo², Nicola Zavatta³

¹Department of Industrial Engineering, Università di Bologna

²CIRI MAM, Università di Bologna

³CIRI AERO, Università di Bologna

Correspondence to: Giangiacomo Minak at giangiacomo.minak@unibo.it

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Materials

Name	Company	Catalog Number	Comments
CFRP Twill T300 200g/m ²	Impregantex	GG 204T2 IMP 503Z 46%	
CFRP UD STS 150g/m ²	DeltaPreg	STS-150 - DT150 - 36%	
CFRP UD M46J 150g/m ²	Cytec	MTM49-3 M46J (12K) 36%	
CFRP UDT1000 150	Cytec	X01 - 36% T1000 (12K)	
Honeycomb	DuPont	Nomex 9-14 mm	
Universal Testing Machine (UTM)	Instron	Instron 8033 250 kN	
FEM	Ansys	Ansys 18	
Numerical computing Enviroment	Matworks	Matlab R2018a	