



control offered by the AM process to gain acclimatized preforms and contraction overmolding them onto metallic chassis to produce mechanically interlocked cold-blooded structures at scale without the need of bonds or precious face treatments is developed in this study [6].

## **Materials and Methods**

### **Manufacturing process**

In this study, maraging sword and carbon fiber corroborated polyamide-6 (40 wt. CF/ PA66) were used to demonstrate the new manufacturing process. First, triangular chassis structures with a side length of 11.5 mm, strut consistence of 0.5 mm, and an eschewal of aeroplane consistence of 4 mm and 13 mm were fabricated using

