

CARBON FIBRE REINFORCED POLYMER (CFRP)

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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1. What is Carbon Fibre Reinforced Polymer?

2. Describe two advantages Carbon Fibre Reinforced Polymer has over materials such as GRP and Titanium?

3. Describe a disadvantage of CFRP compared to GRP

4. Describe the structure of a typical piece Carbon Fibre Reinforced Polymer. Include a sketch of a 'weave' of Carbon Fibre textile.

DESCRIPTION:

SKETCH OF WEAVE

5. Describe a practical application of CFRP in the aerospace industry. Include an explanation of why CFRP has been used.

6. List further practical applications of CFRP.

7. Using the internet as a research tool, collect images of practical applications of CFRP. Attach them to this questions sheet, labelling each image.