



Materials in Aerospace

- ❖ Aircraft bodies are usually made from aluminium alloys and in some cases titanium alloys are also used
- ❖ Airlérons and flaps are often made from composites containing carbon fibres as these are light
- ❖ Extremely strong and tough steels are used for the landing gear
- ❖ Nickel-based super alloys are used in the hottest parts of the engine where the gas temperature is over 1600°C
- ❖ Special flame retardant foams and textiles are used in the fuselage