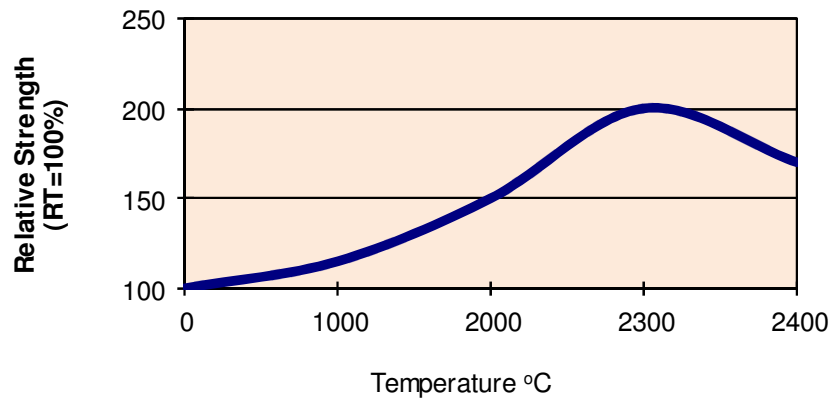


The effect of temperature on material strength

Strength vs Temperature



The mechanical strength of Graphite increases with temperature and is approximately double that at room temperature compared to 2500°C.

The flexural strength and compressive strength are related as follows:

$$\text{Compressive strength} = \text{flexural strength} \times 2$$