

Q.2) Matrix Material \rightarrow Pure Iron / Pure Nickel
Reinforcement \rightarrow Alumina / Tungst. Carbide / Silicon Carbide

Density

Pure Iron \rightarrow 7874 kg/m³

Pure Nickel \rightarrow 8902 kg/m³

Alumina \rightarrow 3950 kg/m³

Tung. Carbide \rightarrow 15630 kg/m³

Silicon Carbide \rightarrow ~~43128~~ 3128 kg/m³

Modulus

Iron \rightarrow 204

Nickel \rightarrow 190

Alumina \rightarrow 365.8

Tung. Carbide \rightarrow 530

Silicon Carbide \rightarrow 400