



DMLS AISi10MG

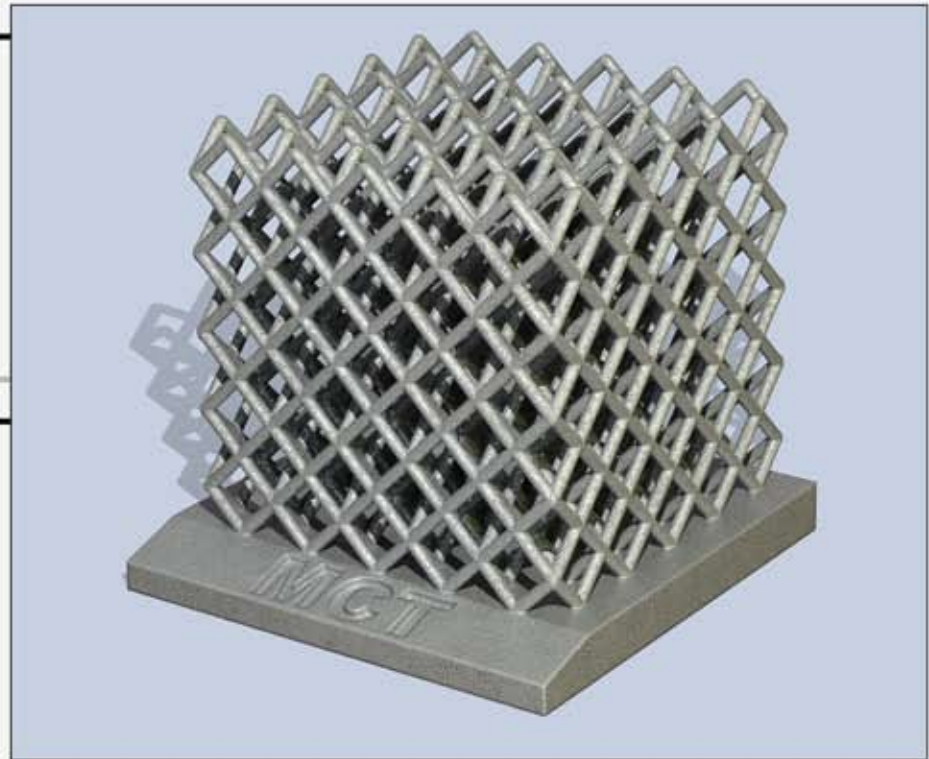


MATERIAL PROPERTIES

- Low density
- Good alloying properties
- Good Processability - (casting and pressing etc.)
- Good electrical conductivity

AREAS OF APPLICATIONS

- Automotive
- Aerospace
- Consumer goods



MECHANICAL PROPERTIES

Tensile strength	R_m [MPa]	397 ± 11
Offset yield stress	$R_{p0.2}$ [MPa]	227 ± 11
Break strain	A [%]	6 ± 1
Reduction of area	Z [%]	8 ± 1
E-Modul	σ [GPa]	64 ± 10
Hardness by Vickers	[HV10]	117 ± 1