

## PHYSICAL PROPERTIES

The physical properties of **AlBeMet AM162** are largely independent of the processing route. However, they are critically dependent on the Be content of the alloy.

The most striking physical properties are the Young modulus and density.

Properties at room temp.	AM162	Al : 6061T6	Mg : Az91B	Ti : TA6V
Density (g/cm <sup>3</sup> )	2.10	2.70	1.77	4.43
Modulus (Gpa)	193	69	45	110
Poisson's ratio	0.17	0.23		
CTE ppm / °C	13.9	23.6	25.2	9
Thermal conductivity (W/mK)	210	180	96	7
Specific heat (J / Kg°K)	1506	896		
Electrical conductivity % IACS	49	43		0.9

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