



AN Series Aluminum

Material Grade: ADC-12 Diecast Aluminum Alloy

Typical Physical Properties	
Tensile Strength, Ultimate (MPa)	331
Tensile Strength, Yield (MPa)	165
Elongation (%)	2.5
Density (g/cm ³)	2.82
Heat Capacity (J/g K)	0.963
Thermal Conductivity (W/m K)	92
Melting Range (degrees C)	516-582

Typical Material Composition	
Silicon (Si)	9.6-12.0
Iron (Fe)	1.3 max
Copper (Cu)	1.5-3.5
Manganese (Mn)	0.50 max
Magnesium (Mg)	0.30 max
Nickel (Ni)	0.50 max
Zinc (Zn)	1.00 max
Tin (Sn)	0.30 max
Aluminum (Al)	Balance