



Advanced Aluminum Casting Alloys

HighSAL - High Strength

Key Properties

UTS Rm 360-380 MPa
YTS Rp0.2 300-320 MPa
Elongation > 1.5%
Hardness 130-150

Features

Great to be used in applications where tensile strength is key, this cast alloy has an Ultimate Tensile Strength which surpasses alloy 6061-T6.

Applications

Mobile phones, tablet PCs, human wearable devices, and any other applications where a high tensile strength is needed.

HighTAL - High Thermal Conduction

Key Properties

Thermal conductivity 130-140 W/mK / 180-190 W/mK
Electrical conductivity 21-23 m/Kmm² / 26-30 m/Kmm²
(Before Heat Treat / After Heat Treat)

Features

This alloy is best used where heat dissipation has a deep impact on the design.

Applications

LED heatsinking, amplifiers, high rated power supplies, communications equipment, computers, home appliances and any application where heat dissipation is key.

Contact us to learn more for your application
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