



EX Series Aluminum (typical properties)

Material Grade: Body: 6063 Aluminum

End Panels: ADC-12 Diecast Aluminum Alloy

Typical Physical Properties	
	ADC-12
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 (%)	
	ADC-12
Silicon (Si)	9.6-12.0
Iron (Fe)	0.0 - 1.3
Copper (Cu)	1.5-3.5
Manganese (Mn)	0.0 - 0.50
Magnesium (Mg)	0.0 - 0.3
Nickel (Ni)	0.0 - 0.5
Zinc (Zn)	0.0 - 1.0
Tin (Sn)	0.30 max
Chromium	-
Titanium	-
Aluminum (Al)	Balance