

Aluminum

6061

Aluminum 6061 - ASTM B221, AMS 4150		<i>Alloy & Temper 6061-T-6 Solution heat-treated and artificially aged.</i>								
Typical Analysis		Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
		BAL	.4/8	.7	.15/4	.15	.8/1.2	.04/35	.25	.15
Characteristics	<ul style="list-style-type: none">• This is the least expensive and most versatile of the heat-treatable aluminum alloys and offers a good range of properties. It is generally selected where welding or brazing is required and for its high corrosion resistance.									
Typical Applications	<ul style="list-style-type: none">• General engineering and structural components. Trucks and trailers. Boats.• Furniture. Pipe fittings. Miscellaneous parts requiring good corrosion resistance.									
Mechanical Properties	<ul style="list-style-type: none">• Minimum Properties:<ul style="list-style-type: none">◦ UTS Yield - 38 ksi, 35 ksi◦ Elongation in 2" - 8%-10%• Typical Properties:<ul style="list-style-type: none">◦ UTS Yield - 45 ksi, 41 ksi◦ Elongation in 2" - 12%-17%◦ Shear Strength - 30 ksi									

