

3003**6061**

Strength	Moderate strength (good for light/medium-duty use)	High strength (good for heavy-duty use)
Appearance	Bright, smooth, highly reflective finish	Slightly duller finish
Thickness	<ul style="list-style-type: none"> • 0.045" (3/64", 17GA) • 0.063" (1/16", 14GA) • 0.125" (1/8", 8GA) • 0.187" (3/16", 5GA) • 0.250" (1/4", 2GA) 	<ul style="list-style-type: none"> • 0.125" (1/8", 8GA) • 0.187" (3/16", 5GA) • 0.250" (1/4", 2GA) • 0.375" (3/8", 0GA)
Weight	Similar density, but available in smaller thicknesses like 0.045" and 0.063" (1/16")	Similar density, but thinnest is 0.125" (1/8")
Corrosion Resistance	Excellent – great for outdoor and marine use	Good – resists corrosion, but less than 3003 without surface treatments
Formability	Excellent – easy to bend, form, or fabricate without cracking	Fair – more rigid, less malleable, can crack when bent sharply
Machinability	Fair – softer alloy, gums up cutting tools	Excellent – machines cleanly and precisely
Weldability	Excellent – welds easily	Good – welds well, but may require post-weld heat treatment for max strength
Alloy Type	Non-heat-treatable, manganese alloy	Heat-treatable, magnesium-silicon alloy
Typical Uses	Toolboxes, decorative panels, truck beds, wall panels, flooring	Structural applications, ramps, loading docks stairs, catwalks
Cost	\$ \$ \$ \$ \$	\$ \$ \$ \$ \$