

ALUMINUM - 5005H34

Alloys in this series possess good welding characteristics and good resistance to corrosion in a marine atmosphere. In addition, this alloy is often referred to as AQ or Anodize Quality aluminum. The major alloying element of this material is magnesium in sufficient quantities to cause substantial lowering of the melting point without producing brittleness in the resulting alloy. When magnesium is used as the major alloying element or with manganese, the result is a moderate to high strength non-heat-treatable alloy.

The 5005 variety is anodized with a variety of organic colors. Long-term exposure to bright sunlight may fade the colors.

The 5205 variety is cobalt-salt impregnated, colored on one side only, and available only in black. Long-term exposure to sunlight has shown no noticeable fading.

GENERAL CHARACTERISTICS

Tensile Strength	23,000 lb/sq. inch
Yield Strength (Offset = 0.2%)	20,000 lb/sq. inch
Shearing Strength	14,000 lb/sq. inch
Brinell Number	41