

BACKYARD Technologies

Storm Protection

Specifications Aluminum 6063

Composition	Aluminum (AL) primary component Magnesium (Mg) 0.45%-0.9% enhances strength & corrosion resistance Silicon (Si): 0.2%-0.6%, improves strength Minor amounts of iron, copper, manganese, chromium and zinc
Mechanical Properties	Tensile Strength: from 27,000 – 30,000 psi Yield Strength: 21,000 psi
Corrosion Resistance	Excellent resistance to oxidation and most environmental conditions Performs well in marine and outdoor settings when anodized or coated

What is Aluminum Square Tube 6063?

Aluminum Square Tube 6063 is a lightweight, corrosion-resistant, and versatile structural material made from the 6063 aluminum alloy. This alloy is part of the 6000-series, which is aluminum primarily alloyed with magnesium and silicon. It is widely used in applications requiring high strength, good corrosion resistance, and an attractive appearance.

Advantages of Aluminum Square Tube 6063:

Lightweight:	Easy to transport and handle.
Durable:	Long-lasting, withstanding wear and environmental exposure.
Corrosion-Resistant:	Suitable for outdoor and marine environments.
Customizable:	Accepts anodizing, powder coating, and painting for enhanced aesthetics and protection.
Recyclable:	Environmentally friendly and fully recyclable.