



Square Black Powder Painting LED Lighting Aluminum Heat Sink with Customized Dimensions and CNC Machining

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Basic Information

- Certification: ISO 9001:2000
- Minimum Order Quantity: 100
- Price: 0.99



Product Specification

- Material: Aluminum Alloy
- Tolerance Grade: 7
- Surface Quality: 12.5
- Processing Method: Pressure Casting
- Alloy Options: 6063, 6061, 6082, 6005
- Temper Options: T5, T6
- Tensile Strength: 160-265Mpa
- Yield Strength: 110-245Mpa
- Elongation: $\geq 8\%$
- Surface Treatment: Anodized, Powder Coated, Electrophoresis
- Max Extrusion Diameter: 350mm
- Extruder Capacity: 6800 Ton
- CNC Machining: PRATIC Centers, Wegoma Cutters
- Production Capacity: 100000 Tons/year
- MOQ: 1 TON



More Images



Product Description

Square Black Powder Painting LED Lighting Aluminum Fin Heat Sink Casting

Metalplus specializes in aluminum industrial profile design and manufacturing with a production base of more than 100,000 square meters and annual capacity exceeding 100,000 tons.

Aluminum Profile

- Aluminum Profile System
- Aluminum Extrusion Enclosure
- LED Aluminum Extrusion Profiles
- Aluminum Frame
- Customized Aluminum Profile
- Aluminum Heat Sink
- Electric Motor Housing
- Construction Aluminum Profile
- Aluminum Extrusion Tube

Die Casting

- Die Casting LED Housing
- Stainless Steel Casting
- Aluminum Casting

ACP

- Aluminum Composite Panel

Product Specifications

Material: Aluminum alloy 6063, 6061, 6060, 6082, 6005 or custom requirements

Temper: T5, T6

Quality standard: GB5237-2008

Surface treatment: Mill finish, anodized, powder coated, electrophoresis, sand blasting, PVDF coating, wood grain painting, matted, polishing bright

Available colors: Silver, Bronze, Champagne, Matte, Natural for anodizing, RAL for powder coating

Packing: Protective film inside and shrinking film outside

Samples: Two weeks after receiving mold fee

Delivery: 20 days after deposit

Production Capacity: 100,000 tons/year

MOQ: 1 ton

Payment terms: T/T, L/C at sight

Port: Shanghai Port

17 press extruders

OEM & ODM services available

Manufacturing Process

Die design → Die making → Extruding → Cutting → CNC Machining → Surface treatment → Packing

Material Properties

Chemical Composition

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Impurity	Al
6063	0.2-0.6	0.35	0.1	0.1	0.45-0.9	0.1	0.1	0.1	0.15	Rest
6061	0.4-0.8	0.7	0.15-0.4	0.15	0.8-1.2	0.04-0.35	0.25	0.15	0.15	Rest

6060	0.3-0.6	0.1-0.3	0.1	0.1	0.35-0.6	-	0.15	0.1	0.15	Rest
6005	0.6-0.9	0.35	0.1	0.1	0.40-0.6	0.1	0.1	0.1	0.15	Rest

Mechanical Properties

Alloy	Temper	Tensile Strength	Yield Strength	Elongation
6063	T5	≥ 160 MPa	≥ 110 MPa	≥ 8%
6063	T6	≥ 205 MPa	≥ 180 MPa	≥ 8%
6061	T6	≥ 265 MPa	≥ 245 MPa	≥ 8%

Technical Support

Custom design services including CAD drawings and 3D models

Professional R&D team for design analysis and optimization

One-stop service: product design, custom molds, aluminum bar melting, extrusion profiling, precision machining, and surface treatment

Quality control throughout production process

Manufacturing Capabilities

Extrusion

44 aluminum extrusion lines with PLC control systems, capable of producing profiles up to 350mm outer diameter. Largest extruder: 6800 ton unit for profiles up to 600mm diameter.

Anodizing

6 anodizing production lines with uniform oxidation film thickness and color options including silver, black, gold, champagne, and imitation steel.

Painting

4 powder spraying lines using Gema Switzerland nozzles with environmentally friendly, durable paint.

CNC Machining

12 PRATIC machining centers, automatic cutting machines, 30 punching machines (50-100 tons), bending machines, and milling equipment for complex profile processing.

Quality Assurance

Strict warehouse management with comprehensive inspection procedures before delivery.

Company History

- | 2004: Recognized brand of building industry material market
- | 2006: Product exemption certificate and ISO9001 certification
- | 2009: Advanced company and Jiangsu famous brand
- | 2012: Established business with Panasonic and LG
- | 2015: Innovative producer for European clients
- | 2017: Developed baseboard heaters
- | 2019: Supplier for world's largest heater manufacturers
- | 2023: Expanding overseas distribution network

Notable Projects

Soccer City Stadium, Johannesburg - Main aluminum supplier for Africa's largest stadium

Lobster Trailers - Nordic trailer manufacturer collaboration

School desk aluminum legs supply for local education projects

☎ 180 1800 18 180

✉ admin@hntec.com.cn

☎ admin@hntec.com.cn

Qinfeng Road No.555 Huashi Town Jiangyin Jiangsu China (mainland) 214421