



Anodized Electric Motor Shell Industrial Aluminium Profile 6063 T5

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MetalPlus
- Certification: CA ,CE
- Minimum Order Quantity: 500pcs
- Packaging Details: Ep paper ,kraft ,pallet
- Delivery Time: 20days
- Payment Terms: T/T ,L/C
- Supply Ability: 100 000ton each month



Product Specification

- Material: Aluminum Alloy
- Surface: Anodized
- Color: Natural
- Temper: 6063 T5
- Deep Process: Cutting ,Drilling ,Milling
- Packing: Pallet / Wooden Case
- Highlight: electric motor shell industrial aluminium profile,
industrial aluminium profile 6063 t5,
metal extrusion profiles 6063 t5



Product Description

Anodized Industrial Aluminum Profile / Aluminium Electric Motor Shell

The aluminum motor shell of electric vehicle produced by MetalPlus has the characteristics of high tensile strength, no cutting of inner diameter and good ductility. It has good ductility, light weight, small specific gravity, good heat dissipation and thermal conductivity. High tensile strength, smooth surface and corrosion resistance. Inside diameter free cutting, simple structure, convenient maintenance, high efficiency, convenient transportation.

Description:

Extrusion Tolerance	GB /T5237-2000 (Chinese Standard)	EN-755-2/3/6/8, BS-1474, BS 1161 (British Standards) JIS H4100 (Japanese Standard) AS/NZS1866-1997 (Australian New Zealand Standard)
Machining Tolerance	GB/T1804-92	BS 8118 TS1649
Standard for Anodizing	GB5237.2-2004	BS1615: 1987 BS5599: 1993 Mil-A-8625E Type II Mil-A-8625E Type III
Manufacturing process	Die designing→ Die making→ Smelting& alloying→ Extruding→ Cutting→ CNC machining→ Drilling→ Tapping→ Surface treatment→ Welding→ Assembling→ Packing	
Packing method	1. Standard packing: Each profile is seperated wrapped in plastic sheet in order to protect the profiles' surfaces, kraft paper wrapped in bundles. 2. Special packing: wooden cases+iron trays. 3. Bundles or boxes with wooden bars 4. EPE+carton boxes. 5. Customized packing methods are welcomed 6. 13 tons to a 20 feet container, 20 tons to a 40 feet container	

Applications:

Industry Aluminum profile used in cars, trains machinery ,electronics, medical and other industrial filed . In terms of hardware, machinery, electromechanical parts, solar PV products, aluminum frames are adopt as important auxiliary materials. We also have aluminum profiles for radiators, fitness machinery, buildings, lighting instrument, windpipes, oil pipelines, for instance.

Specifications:

1.Primary Technical Data

1)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

2)Mechanical property

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

2.Specifications:

Excellent material for smooth and subtle edges.

Elegant appearance.

Surface treatment: colorful anodized or electrostatic powder coated.

Suitable for constructions and other industrial purposes.

Customized surface finishes are welcome.

Competitive Advantage:

- 1)Engineering design and support.
- 2)Aluminum profiles deeply processing:cutting,punching,drilling,milling,and fabricating.
- 3)High Quality system, strictly inspection during production and whole inspection before package.
- 4)Good performance, product warranty for 15 years.



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