



Casting Material: Carbon Steel A27 GR 70-40

Grade 70-40[485-275] (UNS Code: J02501) is covered by ASTM A27 standard, it's a good carbon steel for casting purpose.

ASTM A27 / A27M – 17 Standard Specification for Steel Castings, Carbon, for General Application

Grade 70-40[485-275] (J02501) Casting Chemical Requirements and Mechanical Property:

Carbon: 0.25max

Manganese: 1.20 max

Silicon: 0.80 max

Sulfur: 0.06 max

Phosphorus: 0.05 max

For each reduction of 0.01 % carbon below the maximum specified, an increase of 0.04 % manganese above the maximum specified will be permitted to a maximum

www.castingquality.com

Tensile Strength: 70ksi(485Mpa) min

Yield Strength: 40ksi (275Mpa) min

Elongation in 2in. or 50mm: 22.0% min

Reduction of Area: 30% min

Grade 70-40 [485-275] may be used to meet the

requirement of Grade 70-36 [485-250], when agreed upon between the manufacturer and the purchaser



Heat treatment process: generally all Grade **70-40[485-275] (J02501)** castings should be heat-treated by full annealing, normalizing, normalizing and tempering, or quenching and tempering

Manufacture Process: Sand Casting, Precision Lost Wax Investment Casting.

www.castingquality.com

SERVICE IN QINGDAO CASTING QUALITY INDUSTRIAL

- I SAND CASTING**
- I INVESTMENT CASTING**
- I SHELL CASTING**
- I PERMANENT MOLD CASTING**
- I CNC MACHINING**



As a professional casting manufacture, Qingdao Casting Quality Industrial pay much attention to the quality and technology, our products are much more casting and forging parts. We are mainly do Sand Casting, Investment Casting (Lost Wax Casting or Precision Casting) and Die Casting .Today, its products are marketed globally through many countries.

Our Services

Casting Quality focus on Metal Parts industry, we provide professional service in Metal Casting field.

1. Sand Casting
2. Investment Casting
3. Shell Casting
4. CNC Machining
5. CAD Design
6. Tools/Mold Design

Many buyers from all over the world purchase products from China. But do you know the quality of products in China? Maybe you only pay the surface and price, but the inner quality is lost.

Housing Casting Design in Solidworks

What makes Casting Quality the best?

Innovation

Our engineers are more than just designers....they're pioneers. Our team use CAD/CAM to do the simulation of casting parts .Through the advanced technology, we can know the weight and structure. We also visited so many factories to know their difference and improve our products every year.

Quality

We're obsessed with quality. Casting Quality constantly strives to exceed our customers' expectations in durability and performance. In fact, we will control the whole process from the original material to the finished parts , include the technology .Uniquely-designed Quality Control System focuses on ensuring four product goals: 1) Eligible Chemistry , 2) Hardness 3) Property and 4) Affordable Pricing. The result is the best casting products value in the industry.

Service

We're in Qingdao,China, It has convenient transportation of road and sea. Courteous service is part of who we are, and we do it better than anyone in the industry. With Casting Quality you can expect friendly, knowledgeable, and prompt customer service.

Fulfillment

Shipping orders complete and on-time is of paramount importance to our customers. We will count the delivery date and result before accept your order. Casting Quality consistently ranks as one of the best in speed of delivery and fill rates.



Casting Quality





Valve & Fittings



Marine Fittings



Automobile Parts



Accessories

Qingdao Casting Quality Industrial Co., Ltd.

Add: Room 0329, No. 51 Taiping Road, Qingdao City, Shandong Province, China (P.O.: 266002)

Tel: +86 532 82972996

Fax: +86 532 82972913

Website: www.castingquality.com

Mail: mark@castingquality.com