

Information on S170 Steel Shot

Detail Introduction :

S170 steel shot is an ideal material for abrasive blasting, surface cleaning, and removing corrosion. Its microstructure is good and it has a homogeneous hardness. The steel can be manufactured in a variety of sizes and is shipped from China in 25 kg bags on a one-ton wooden pallet. The cost of S170 steel shot varies depending on the quantity of shot ordered and the shipping destination.

Hardness

S170 steel shot is a type of steel shot that is considerably harder than lead. Its hardness rating is 170 on the Brinell scale, and this extra carbon makes it resistant to deformation when fired at high speeds. Its high hardness makes it an excellent choice for many applications, including explosives, slingshots, and shell casings. In addition to being more durable than lead, S170 steel shot is more affordable than lead.

S170 steel shot is also called high-speed steel or low-carbon wrought alloy. The steel is composed of iron, chromium and tungsten. S170 is a superior metalworking shot because it hardens at less than half the temperature of conventional high-speed steel. This alloy has a high hardness value that is necessary for manufacturing parts with complex surfaces. It also leaves a smoother surface after peening.

S170 steel shot is a quality raw material for various industrial abrasives. Its uniform hardness, spherical shape, and cleaning power make it a great choice for blasting applications. It is also durable, wear-resistant, and has good adhesion properties. Its properties make it an ideal choice for many industrial applications. When you are looking for steel shot, you'll find it at our online store. There are thousands of suppliers. Choose the one that best suits your needs and budget. Then, you can find the product you need quickly. You'll be on your way to being more productive and successful with your project.

Steel shot is one of the most common types of steel abrasive media. Depending on its size and hardness, steel shot can produce different finishes on metal surfaces. When using steel shot, the balls have a spherical shape which provides a very clean, smooth, polished surface. They also have a peening action that imparts compressive strength to metal parts. The hardness of S170 steel shot is approximately 70 percent harder than the average metal abrasive, and its density makes it an excellent choice for heavy scouring.

Characteristics

If you're looking for a high-speed steel that's low-carbon, S170 steel shot may be the material you're looking for. Its hardness is high and its cost is low, and it has excellent cleaning properties. In addition to its high quality properties, S170 steel shot is great for cleaning parts and components, too. Learn more about this type of shot, including its advantages over conventional HSS steel shots.

Cast steel shot is an excellent choice for deflashing aluminum die castings because it has the characteristics needed to remove corrosion and release agent build-up. It's also available in pre-blended Work Mixes.

safe to use on centrifugal wheel machines. It's ideal for cleaning surfaces and it's more aggressive than standard steel shot. It has excellent properties that will make it an excellent choice.

Another benefit of S170 steel shot is its uniform hardness. Because of its uniform hardness, this type of shot can achieve high coverage and cleaning effects. Its durability and wear resistance are also excellent. Its high work efficiency and tight organization make it ideal for blasting applications. It is also available in a variety of sizes, including 0.011-inch-diameter steel shot. A typical shot should contain at least one grain of S170 steel.

S170 steel shot is much harder than lead. Its hardness is 170 on the Brinell hardness scale. This is largely due to the extra carbon, which makes it harder and resists deforming even at high speeds. It's also available in different grits and hardnesses. Its density also makes it an excellent choice for cleaning parts. You'll save time and money on sandblasting by using S170 steel shot.

Applications

In the primary metal production process, S170 steel shot is essential for various operations. Different sizes of steel shot offer excellent results for the metal surface. These shot particles are durable, cost-effective, and can be recycled many times. In addition, larger steel shot blasting is suitable for scrubbing rougher metal surfaces. A wheel blast system or air pneumatic system is used for accelerating the steel shot on the surface. The wheel method produces a high-quality finish for the metal surface.

Abrasion and fatigue resistance are two important features of S170 steel. Its surfaces are vital for industrial components, and if they get damaged, these shots can be repaired and refinished within a few days. Its low cost makes it a preferred choice for many industries, including the aerospace industry. But how does it work? This article will outline several applications of S170 steel shot. Here are some of its features.

The product diameter of S170 steel shot is 0.5mm, and its uniform hardness and cleaning effect are excellent. Its high carbon content makes it an excellent choice for applications where abrasive media is required. It is a cost-effective and environmentally friendly alternative. This abrasive media has a long list of uses, and is suitable for a variety of applications. In addition to its cost, S170 steel shot is available at low prices and is highly recyclable.

Using hard steel shot is the best choice for many types of scrubbing and cleaning processes. It is suitable for high-speed peening and offers a smooth, polished surface. This type of steel shot is available in various hardnesses and grits, so it can be customized to suit the specific needs of different industries. Its durability, sturdiness, and density make it ideal for many sandblasting applications.

Microstructure

S170 steel shot has a much higher hardness than lead. This is because of its extra carbon content. The extra carbon makes the steel shot harder and less likely to deform when fired at high velocities. Generally, S170 steel shot is preferred for high-temperature applications, while 410 is used for lower-temperature applications. Here are some differences between these two types of steel shot:

S170 steel shot is a high-quality abrasive with an approximate hardness of about 45 HRC and a density of 7.85 g/cm³. Its uniform hardness, cleaning ability, and durability make it a valuable product for use in a variety of industries. It also has a high degree of sphericity, high toughness, and good adhesion. This steel shot is well-suited for blasting applications.

S170 is harder than HSS and has a higher hardness, making it more durable and longer-lasting than conventional steel shots. It offers improved dimensional accuracy in peened parts and makes them more consistent in size and shape. It also leaves a smoother surface than HSS. S170 is also useful for cleaning. It is very useful in high-temperature applications, as it hardens at a lower temperature than regular high-speed steel.

Cost

If you are looking for a reliable supplier of S170 steel shot, you will want to make sure to know the cost of the product before you purchase it. There are several factors to consider before purchasing steel shot. If you are unsure about the cost, consider how long it will take to arrive at your door. You can choose to purchase small bags, medium bags, or large bags. Whatever you decide, you should be able to receive the shot in no more than five days from the time of purchase.

The cost of S170 steel shot is influenced by the quantity you buy. S170 steel shot is the most common type of steel shot used for shot blasting, and the size of the balls determines how smooth the finished product will be. The round ball shape of the steel shot contributes to its smooth surface, while imparting compressive strength to metal parts. For this reason, S170 steel shot is used for a wide range of applications, from shipbuilding to middlemen.

This shot is the most affordable option for your blasting needs. Because of its low carbon content, the steel shot remains consistent and unbroken even after thousands of cycles. It is extremely durable, and can be recycled hundreds of times. It is also cost-effective and environmentally friendly. In addition to being economical, it will also help you reduce your blasting machine maintenance costs. Steel shot also reduces the amount of dust produced by your equipment.



Low carbon steel shot has low attrition and is easier to handle than high-carbon steel shots. It is ideal for foundries, forges, and steel mills. It is also used in machine shops, and is especially useful in the automotive and aircraft industries. It also offers a high degree of hardness and performance in deburring. The Tölg Granul low carbon steel shot has a 20% longer life span than high carbon steel shot, and uses less energy in its processing.