



Changzhou Sanzhong Welding Materials Co.,Ltd

www.asweld.com

| Standard: AWS A5.3 E4043 | Chemical Composition % | | | | | | | | |
|--------------------------------|---|----------|--------|--------|-----------|--------|-----------|--------|-------------|
| | Si | Fe | Cu | Mn | Zn | Mg | Ti | AL | Other Total |
| Grade E4043 | 4.5 ~ 6.0 | ≤ 0.80 | ≤ 0.30 | ≤ 0.05 | ≤ 0.10 | ≤ 0.05 | ≤ 0.20 | Remain | ≤ 0.03 |
| Type | Tube (TIG) | | | | | | | | |
| Specification (MM) | 1.6、 2.0、 2.4、 3.2、 4.0、 5.0 | | | | | | | | |
| Package | 5kg/box 10kg/box 5 kgs/plastic bag in a color box, 20kgs/carton, 1 ton in a pallet | | | | | | | | |
| Mechanical Properties | Tensile strength Mpa | | | | | | | | |
| | ≥ 95 | | | | | | | | |
| | Diameter (MM) | 3.2 | | | 4.0 | | 5.0 | | |
| Welding | Welding Current - A | 80 ~ 100 | | | 110 ~ 150 | | 150 ~ 200 | | |
| Performance characteristics | E4043 is an aluminum-silicon alloy electrode with a salt-based coating. Use DCEP (direct current electrode positive). Short arc fast test welding. The deposited metal has certain mechanical strength and good crack resistance. | | | | | | | | |
| Application | It is used for welding of aluminum plate, aluminum-silicon casting, general aluminum alloy, wrought aluminum and duralumin. But it is not suitable for welding aluminum-magnesium alloys. | | | | | | | | |
| Notice | <ol style="list-style-type: none"> The electrode is very easy to be affected by moisture, so it should be stored in a dry airtight container to prevent it from deteriorating due to moisture; the electrode must be baked at about 150°C for 1 to 2 hours before welding; Backing plates should be used before welding, and welding should be performed after preheating to 200 ~ 300°C according to the thickness of the weldment; the welding rod should be perpendicular to the surface of the weldment, the arc should be as short as possible, and the replacement of welding rods must be carried out quickly; The weldment must be cleaned of oil and impurities before welding, and the slag should be carefully removed after welding, and rinsed with steam or hot water. | | | | | | | | |



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