

SW·ER430

SE 东南焊材®
SOUTHEAST
WELDING MATERIAL

江苏省溧阳市南渡镇金山路 2 号
Tel: 05198089768 Fax: 051980897358
SEWELD@163.COM
WWW.SEWELD.COM

不 锈 钢 气 体 保 护 焊 丝
MIG WIRES FOR STAINLESS STEEL

执行标准 CLASSIFICATION

符合 GB/T 29713 S430 相当 GB/T 29713 S430 AWS A5.9 ER430 ISO 14343-AG 17

产品特性 DESCRIPTION

SW-ER430 主要成分为 16 Cr, 全焊缝金属显微组织通常为铁素体-马氏体双相, 其中铁素体更为普遍。通过提供足够的铬来平衡成分, 从而为通常的应用提供足够的耐腐蚀性, 同时在热处理条件下保留足够的延展性。(过量的铬会导致延展性降低。)使用 SW-ER430 分类的填充金属进行焊接通常需要预热和焊后热处理。只有在焊接后对焊件进行热处理才能获得最佳的机械性能和耐腐蚀性。

The main composition of SW-ER430 is 16% Cr, and the microstructure of the all-weld metal is typically a ferrite-martensite duplex phase, with ferrite being more predominant. Sufficient chromium is provided to balance the composition, thereby offering adequate corrosion resistance for general applications while retaining sufficient ductility under heat-treated conditions. (Excessive chromium will lead to reduced ductility.) Welding with filler metals classified as SW-ER430 usually requires preheating and post-weld heat treatment. Optimal mechanical properties and corrosion resistance can only be achieved by heat-treating the welded workpiece after welding.

应用 APPLICATIONS

常应用于耐磨耐腐蚀场合构件的焊接, 如 10Cr17 (SUS 430) 材料的器件、护栏、高尔夫球头等。

It is often used for welding components in wear-resistant and corrosion-resistant applications, such as parts made of 10Cr17 (SUS 430), guardrails, and golf club heads.

电源类型 Current type

焊枪接正电极 DC+

保护气体 Protection

100%Ar

焊接位置 WELDING POSITIONS

平焊、角焊、仰焊、立向上焊、立向下焊 Flat, fillet, tilt, vertical up, vertical down

熔敷金属化学成分 Chemical composition of welded metal %

项目	C	Si	Mn	P	S	Cu	Ni	Cr	Mo
GB/T Standard	≤0.10	≤0.50	≤0.60	≤0.030	≤0.030	≤0.75	≤0.60	15.5-17.0	≤0.75
例值 Typical values	0.035	0.35	0.43	0.012	0.018	0.21	0.22	16.39	0.55

作业条件 OPERATING CONDITIONS

直径 Diameter [mm]	Φ0.8	Φ1.0	Φ1.2
电流 Current [A]	平焊 Flat 70~150	100~200	140~220

包装 PACKAGING

1kg 5kg 15kg 盘装 Coil 也可以定制其他包装和规格 Other packaging and other diameters: please consult us
40-1000mm × 5kg 10kg 直条焊丝 Straight Stick Welding Wire