

Basic coated NiCrMo stick electrode

Classifications	S											
Material-No.			AWS A5.11 / SFA-5.11					EN ISO 14172				
2.4887			E NiCrMo-4					E Ni 6276 (NiCr15Mo15Fe6W4)				
Characteristic	s and typ	oical fields of a	pplicati	ion								
Joint welding of r primarily for weld punches etc. which In addition to its e resists strong oxid	ling compo ch operate exceptional disers such	nents in plants fo at high temperati resistance to cor n as ferric and cup	r chemica ures. ntaminate pric chlori	al proces d minera des and	sses with highly al acids, chlorir is one of the fe	y corr ne-co ew m	rosive med intaminate iaterials wl	lia, but also for d media, and d nich will resist	su shla	rfacing press ride containir	tools, ng media, it	
The stick electroo Typical analys		velded in all posit	ions exce	pt vertic	al-down. Stabl	e arc	, easy slag	removal.				
C Si			Mn Cr Ni				Mo W			N	Fe	
wt%	< 0.02	< 0.2	0.6		16.5	bal		16.5		4.0	5.0	
Mechanical pr	operties	of all-weld me	etal - typ	pical va	alues (min. v	alue	es)					
Condition		Yield strength $R_{_{DO}}$, Tensile		strength R _m		Elongation A (L ₀ =5d ₀)		Impact energy ISO-V KV			
		MPa	-	MPa			%			J		
u > 450		> 720				> 30			> 70			
Operating data	a											
× † †	Polarity		DC +				Dimension mm			Current A		
	Redrying		250 - 300°C / 2 - 3 h				2.5 × 250			50 – 70		
							3.2 × 300			70 – 100		
	4.0 × 350						90 - 130					
Welding instru	ictions											
		in provinitation th	a attal, al.				916-14-14-1	neesible beet				

For avoidance of intermetallic precipitation the stick electrode should be welded with lowest possible heat input and minimum interpass temperature. Beam width of the prepared seam approx. 70° , root gap approx. 2 mm. Weld stick electrode with slight tilt and with a short arc. String beads are welded. The interpass temperature of 150° C and a max. weaving width $2,5 \times$ diameter of the stick electrode core wire should not be exceeded. Redry the stick electrodes 2 - 3 hours at $250 - 300^{\circ}$ C before use and weld them out of a warm stick electrode carrier.

Approvals

TÜV (Nr. 05257)