

## Basic coated NiCrMo-stick electrode

Classification	ns												
Material-No.			AWS A5.11 / SFA-5.11					EN ISO 14172					
2.4621			ENiCrMo-3					E Ni 6625 (NiCr22Mo9Nb)					
Characteristi	cs and typica	l fields of	application	1									
tic-ferritic-joints NiCrMoCu 25 20 The weld metal will occur if prof	e particularly suite s and claddings o 0 5). is heat resistant longed heat treat n creep strength.	f the same and suitabl ment is give	or similar natu e for operating	ure, li g tem	ke 2.4856 (NiC	r22M	o 9 Nb), 1 0 °C. It mu	.4876 ust be	(X30 NiCi noted tha	AlTi 32 20 t a slight (	0), 1.4 decre	4529 (X2 ase in ductility	
Typical analy	sis												
	С	C Si			Cr	Ni		Мо	Mo Nb			Fe	
wt%	0.03	0.4	0.6		22.0	bal.	bal.			3.3		<1	
Mechanical p	properties of a	ll-weld m	ietal - typic	al va	alues (min. v	alue	s)						
Condition	$\begin{array}{lll} \mbox{Yield strength} & \mbox{Tensi} \\ \mbox{R}_{_{p0,2}} & \mbox{R}_{_{m}} \end{array}$		le strength Elongation A $(L_0=5d_0)$		•	Imp	Impact energy ISO-V KV J						
	MPa	MPa MP		%	%		J		-196°C				
u	>450	>450 >760		>3		>75			>45		>7	>75	
Operating da	ta												
	Polarity		DC +				Dimension mm		Current A				
	Redrying	250 - 300°	250 - 300°C / 2 - 3 h				2.5 × 300			50 – 65			
<i>▶</i> ♥   V						3.2 × 350			70 –	70 – 95			
		4.0 >				4.0 × 350		90 -	90 – 120				
			5.0 >				5.0 × 400			120 – 160			
Welding inst	ructions												

Opening angle of the prepared seam approx. 70°, root gap approx. 2 mm. Weld stick electrode with slight tilt and short arc. String beads are welded. The interpass temperature of  $150^{\circ}$  C and a max. weaving with 2,5 x 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 electrode carrier.

## **Approvals**

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