


CEWELD SA P92

TYPE	Solid wire for submerged arc welding creep resistant steel																										
APPLICATIONS	Submerged arc welding wire for high temperature, creep resistant, modified 9%Cr-1.7%W-0.5%Mo martensitic steel (T92/P92). T92/P92 steel is commonly used at service temperatures up to 620°C. V, Nb and N additions provide this 'creep strength enhanced ferritic' (CSEF) alloy with improved high temperature creep resistance compared to standard CrMo creep resistant alloys. Alloy T92/P92 is widely used in the power generating industry for fossil fuel ultra-super-critical (USC) power plant boilers and turbines; the alloy is also finding applications in the chemical and oil and gas industries.																										
PROPERTIES	Solid SAW wire modified 9%Cr-1.7%W-0.5%Mo martensitic steel (T92/P92) Typical: preheat ± 200°C Interpass temperature: max. ± 300°C PWHT: 760°C																										
CLASSIFICATION	EN ISO 24598-A: S Z CrMoWVNb 9 0,5 1,5																										
SUITABLE FOR	For matching P92, 9%Cr-1.7%W-0.5%Mo, creep resisting martensitic steels. X10CrWMoVNb 9 2 ASTM: A182 grade F92, A213 grade T92, A335 grade P92, A387 grade 92																										
APPROVALS	CE																										
WELDING POSITIONS																											
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Ni</th> <th>Mo</th> <th>Nb</th> <th>V</th> <th>N</th> <th>Cu</th> <th>W</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.3</td> <td>0.5</td> <td>0.003</td> <td>0.004</td> <td>9</td> <td>0.5</td> <td>0.4</td> <td>0.05</td> <td>0.15</td> <td>0.04</td> <td>0.04</td> <td>1.6</td> </tr> </tbody> </table>	C	Si	Mn	P	S	Cr	Ni	Mo	Nb	V	N	Cu	W	0.1	0.3	0.5	0.003	0.004	9	0.5	0.4	0.05	0.15	0.04	0.04	1.6
C	Si	Mn	P	S	Cr	Ni	Mo	Nb	V	N	Cu	W															
0.1	0.3	0.5	0.003	0.004	9	0.5	0.4	0.05	0.15	0.04	0.04	1.6															
MECHANICAL PROPERTIES																											
REDRYING	Not required																										
GAS ACC. EN ISO 14175	None																										

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SA P92 2,4MM

Packaging	KG/unit	EanCode
K-415	25	8720682052143