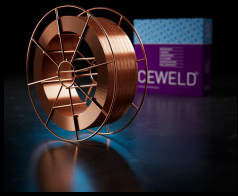


CEWELD ER 90 S-G (P92)

TYPE	Medium alloyed, high-strength creep resistant 9% Cromium alloy.									
APPLICATIONS	GMAW wire for high temperature, creep resistant, modified 9%Cr1%Mo martensitic steel (T92/P92). 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	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.									
CLASSIFICATION	AWS	A 5.28: ER 90S-G								
	EN ISO	21952-A: G ZCrMoWVNb9 0,5 1,5								
	F-nr	6								
	FM	3								
SUITABLE FOR	For matching P92, 9%Cr1.7%W0.5%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	 PA  PB  PC  PD  PE  PF  PG									
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Si	Mn	P	S	Cr	Ni	Mo	V	W
	0.1	0.4	0.45	0.008	0.008	8.8	0.5	0.4	0.2	1.6
ALL WELD MECHANICAL PROPERTIES	Heat Treatment	R _{P0,2} MPa	R _m MPa	A5 (%)	Impact Energy (J) ISO-V RT					
	730°C- 760°C /2h	540	620	17	110					
REDRYING TEMPERATURE	Not required									
GAS ACCORDING EN 14175	M21									



CEWELD ER 90 S-G (P92)

ER 90 S-G (P92) 1,2MM

Type	KG/unit	EANCode
BS-300	15	8720663416872