CEWELD[®]

E CuMn

CATEGORY	SMAW Stick Electrodes				
ТҮРЕ	Copper based electrode developed for joining and cladding.				
APPLICATIONS	E CuMn is suitable for welding and overlaying copper and copper alloys, Cast Iron and steel.				
PROPERTIES	Ductile welding deposit with high conductivity and corrosion resistance. The weld deposit is free from porosity and offers similar strength as most commercial copper grades. Thicker sections than 5 mm should be preheated upto approximately 500°C.				
CLASSIFICATION	AWS A 5.6: ~E Cu UNS: ~W60189 EN ISO no standard DIN: W.Nr. ~2.1363 DIN 1733: EL-CuMn2				
SUITABLE FOR	Cladding steel, grey cast iron, copper, copper alloys and dissimilar welding. W.Nr: 2.0040, 2.0070, 2.0076, 2.0090. UNS: C10100, C11000, C10300, C11020, C12200				
APPROVALS	CE approved				
WELDING POSITIONS:					

WELD METAL ANALYSIS %

Cu	Si	Mn	Fe	Sn
rem	0.25	2.7	0.10	0.7

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	Impact Energy (J) ISO-V		Hardness	
Treatment	(N/mm ²)	(N/mm ²)	(%)	-20°C	-40°C	-60°C	HB
AW		205	35				100

AW: as welded

WELDING PARAMETERS / PACKING

Welding Parameters			Packing		
D (mm)	Length (mm)	Current (A)	kg / can	kg / 6 pack	kg / 1000
2.5	350	60-85	3.5	21	15.8
3.2	350	90-120	3.5	21	31.9
4.0	350	120-145	3.5	21	47.7
5.0	350	130-190	3.5	21	85.7

REDRYING TEMPERATURE 150°C / 2hr