CEWELD®

E CuMn

CATEGORY SMAW Stick Electrodes TYPE 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. **AWS** A 5.6: ~E Cu CLASSIFICATION 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	НВ
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