

Electrochemical Properties of Magnesium Anodes

Circuit potential (V)	-1/7
(Respect to Cu/Cuso4)	
Electrochemical Capacity (Ah/kg)	1200
Efficiency(%)	50

Magnesium alloy specification (M1C)


Components	percentage
Al	0.01% max
Zn	—
Mn	0.5-1.3%
Si	0.05% max
Cu	0.02% max
Ni	0.001% max
Fe	0.03% max
Mg	Remainder

Specification

Anode Dimention (mm) :	L=540 ; W=140 ; H=140
Insert Dimention (mm):	SL=405 ; SW=16 ; T=1.5
Cable(mm) length=5000,	Size=1*16(mm2)
Shiled:	Double Jacket XLPE/PVC

Backfill: Gypsum=75, Bentonit=20, sodium sulphat=5

Gross Weight Without Backfill: 14.5 kg (32lb)
Gross Weight with Backfill: 30kg

Date:				Tavanazob Sanaati Kavir Manufacturer of Cathodic protection accessories Mahmoodabad industrial park, Qom-Tehran highway, Iran Tel: (+98-21)66159153 Fax:(+98-21)43851223 Email: Info@anode.ir Website: www.anode.ir		Client's Approval
	Description:	KAVIR			High Potential Magnesium Anode	
Order number:				Project:		Sheet 1/1
Drawn:		M. Sarabadan	Date:	05/06/2019	Approved by TAVANAZOB Co.	
Rev.	Checked:	J.pourjam	Date:	05/07/2019	Standard: ASTM-B 843	
	Approved:	A. Rahmani	Date:	05/07/2019	A4	