



PG PARS CO

Corrosion control & Cathodic protection  
شرکت پی پی چا پارس  
(سهامی خاص)  
سیستم های حفاظت کاتدی (پارس) تولید و اجرا

## DATA SHEET

<b>Document Title:</b>	Data sheet for Magnesium Anode	<b>Rev:00</b>
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# Magnesium Anode Data Sheet

00	02/06/2024	Data sheet	Z.Asadi	Z.Asadi	M.Tehrani
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED



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Magnesium Anode (50 Lb.)	
Anode type	High potential type
Reference	According to IPS-M-TP-750/3
Chemical Composition	Al 0.01 Max
	Mn 0.9-1.3
	Cu 0.02 Max
	Fe 0.03 Max
	Ni 0.001 Max
	Si 0.05 Max
	Sn 0.01 Max
	Pb 0.01 Max
Mg Reminder	
Anode weight	50 lb.
Gross weight Approx. (kg) Without Backfill	21.8
Gross weight Approx. (kg) With Backfill	45
Cable Size & Type & Length	According MTO
Cable Color	According MTO
Backfill Composition Acc to IPS-M-TP-750(9.1)	Gypsum (CaSo4) Hydrated 75%
	Bentonite Clay 20%
	Sodium Sulfate 5%
	Approx. Resistivity 50 Ω.cm
Electrochemical capacity	1200 A.hr/kg
Closed circuit potential	-1.75 vs. Cu/CuSo4
Consumption rate	7.3 kg/A-year
Minimum current efficiency	50%
Anode Dimensions:	Length= 140, Dia= 140, Thickness= 820 mm
Insert Dimension (mm)	405×16×1.5
Insert Material	Galvanized Steel