



DATA SHEET
High Silicon Anode

DOC NO.:

4-CH-11

TITLE:

HIGH SILICON - CHROMIUM - CAST IRON ANODE (49 KG NET WT)

Standard: ASTM A518M-86/3 & IPS-M-TP-750/1

1	TYPE	1.1	<input type="checkbox"/> Tantiron "N" <input checked="" type="checkbox"/> Rod Type				
		1.2	<input checked="" type="checkbox"/> Tantiron "C" <input type="checkbox"/> Tubular Type				
2	FIGURE	2.1	<input checked="" type="checkbox"/> Single Ended				
		2.2	<input type="checkbox"/> Double Ended				
		2.3	<input type="checkbox"/> No Ended Type				
3	CHEMICAL COMPOSITION	3.1	Carbon:	0.7%-1.1%			
		3.2	Silicon:	14.25%-14.75%			
		3.3	Chromium:	3.25%-5.0%			
		3.4	Manganese:	1.5% max			
		3.5	Molybdenum:	0.2% max			
		3.6	Copper:	0.5% max			
		3.7	Iron:	Remainder			
4	DIMENSION & WEIGHT	4.1	Diameter:	76 mm			
		4.2	Length:	1525 mm			
		4.3	Head Diameter:	102 mm			
		4.4	Surface Area:	0.38 m ²			
		4.5	Approx. Weight:	49 Kg			
5	PHYSICAL PROPERTIES	5.1	Density:	7 – 7.05 g/cm ³			
		5.2	Hardness:	500 Brinell - min			
		5.3	Compressive Strength:	650 Mpa - min			
		5.4	Electrical Resistivity:	72 μΩ.cm - max			
		5.5	Impact Resistance:	0.1 J - min			
6	CABLE	6.1	Length:	ACC. TO REQUEST			
		6.2	Size:	ACC. TO REQUEST			
		6.3	CONNECTION TO ANODE:	<input checked="" type="checkbox"/> Lead Caulking <input type="checkbox"/> Pin Type			
		6.4	Cable Insulation Type	6.4.1	<input checked="" type="checkbox"/> Standard Type	6.4.1.1	<input type="checkbox"/> Single Jacket PVC
						6.4.1.2	<input type="checkbox"/> Single Jacket HMWPE
						6.4.1.3	<input checked="" type="checkbox"/> Double Jacket XLPE/PVC
						6.4.1.4	<input type="checkbox"/> XLPE/SWA/PVC
		6.4.2	<input type="checkbox"/> Chlorine Resistance Type	6.4.2.1	<input type="checkbox"/> Single Jacket PVDF		
				6.4.2.2	<input type="checkbox"/> Double Jacket HMWPE/PVDF		
		7	ENCAPSULATION	7.1	<input type="checkbox"/> PVC Cap		
7.2	<input checked="" type="checkbox"/> Heat Shrinkable Cap						
7.3	<input type="checkbox"/> PVC & Heat Shrinkable Cap						
8	BACKFILL	8.1	<input type="checkbox"/> Yes (With Canister)	8.1.1	Canister Dimension	Length: ... mm Diameter: ... mm	
				8.1.2	Coke Type:	...	
				8.1.3	Approx. Coke Weight:	... kg	
				8.1.4	Approx. Total Weight: (With Anode)	... kg	
		8.2	<input checked="" type="checkbox"/> No (Without Canister)				