



Canister Anode Technical Specifications

Physical Properties:

Property	Typical Value	Unit	Test Method
Physical State	Black Solid		
Odor	None		
Dimensions	8 x 72	Inches (diameter x length)	
Wire Insulation	Kynar/HMWPE		
Minimum Bend Radius of Wire	1.25	Inches	
Surround Density	1150 1.15 71.79	kg/m ³ g/cm ³ lbs/ft ³	SAE Inc. Standard 104
Water Absorption	10	%	SAE Inc. Standard 101
Water Permeability	1.72×10^{-7}	cm/sec	ASTM 5084 (2.6 psi)
Flammability	No ignition		Exposed to a propane torch (~2000 °C) for 60 seconds
Environmental Impact	Neutral		Ontario Regulation 558/00 (Leachate Testing)
Carbon Consumption Rate	0.2	kg/amp-year	SAE Inc. Standard 111

Electrical Properties:

Property	Typical Value	Unit	Test Method
Anode Rating	5	A	
Resistance	0.031	Ω	SAE Inc. Standard 105
Resistivity	30.39	$\Omega \cdot \text{cm}$	SAE Inc. Standard 105

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Leachate (TCLP) Results:

Leachate Data (TCLP Procedure) based on Regulation 558 performed by Testmark Laboratories Ltd.

Constituent	Canister Anode TCLP Concentration (mg/L)	USEPA Maximum Contaminant Level (mg/L)
Arsenic	< 0.010	0.010
Barium	1.490	2.000
Boron	1.067	2.000 [†]
Chromium	0.026	0.100
Mercury	< 0.001	0.002
Selenium	0.013	0.050
Silver	< 0.01	0.100*
Uranium	< 0.01	0.030
Fluoride	0.190	2.000*
Nitrate (as Nitrogen)	< 0.01	10.000
Nitrite (as Nitrogen)	< 0.05	1.000
Cyanide	< 0.05	0.200

† No MCL established; value shown is USEPA's Lifetime Drinking Water Health Advisory.

* No MCL established; value shown is USEPA's secondary drinking water standard.

Note: < denotes less than method detection limit (MDL).

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