

# ssc-3 Cathode Blocks

Shanxi Jinyang Graphitic Cathode Blocks



simonsen®

		Typical	Standard Deviation
<b>Apparent Density:</b>	..... kg/m <sup>3</sup>	1600	20
<i>ISO 12985.1</i>	..... lbs/cu.ft.	100	1.5
<b>Real Density:</b>	..... kg/m <sup>3</sup>	1960	30
<i>ISO 21687</i>	..... lbs/cu.ft.	123	2.0
<b>Open Porosity:</b>	..... %	13.8	1.0
<i>ISO 12985.2</i>			
<b>Specific Electrical Resistivity:</b>	..... μΩm	32.0	2
<i>ISO 11713</i>			
20°C (68°F)			
<b>Compressive Strength:</b>	..... MPa	35	3
<i>ISO 18515</i>	..... lbs/sq.in.	5076	435
<b>Flexural Strength:</b>	..... MPa	9.5	1.5
<i>ISO 12986.1</i>	..... lbs/sq.in.	1380	220
<b>Ash Contents:</b>	..... %	3.5	0.5
<i>ISO 8005</i>			
<b>Thermal Conductivity:</b>	..... W/m K	15.0	2
<i>ISO 12987</i>	20-60°C (68-140°F)		
<b>Coefficient of Thermal Expansion:</b>	..... 10 <sup>-6</sup> /k	3.5	0.2
<i>ISO 14420</i>			
<b>Sodium Expansion:</b>	..... %	0.8	
<i>ISO 15379.1</i>			
<b>Raw Materials:</b>			
Electro-calcined Anthracite	..... %	70	
Graphite Scraps	..... %	30	
<b>Dimensional Tolerances:</b>	Length .....	mm	± 2.0
	Width .....	mm	± 1.5
	Height .....	mm	± 1.5
Slots for collector bars:	(All directions).....	mm	± 1.0

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<b>Max. Sizes Cathode Blocks:</b>	Length .....	mm	3800
	Width .....	mm	750
	Height.....	mm	750

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**HS Tariff Number:** ..... 85451900  
 (Harmonized Commodity Description and Coding System)

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**Packing:** All **cathode blocks** are packed on pallets, wrapped in plastic foil and packed on wooden pallet and in crates reinforced by steel straps according to international standards.

All blocks are produced by the vibration/compaction production method.

Measurements are made parallel to pressing direction.

Blocks can be supplied in strict accordance with customer’s drawings and specifications.

The values as per this datasheet are based upon typical, average test results.

No warranty or guarantee is implied on the data which are given in good faith.

**simonsen a/s**  
 Møgelvangs Plads 7  
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 DANMARK

Producer:  
**Shanxi Jinyang Carbon Co., Ltd.**  
 Lingshi County, Shanxi Province  
 P.R. of China

**An ISO-9001, ISO-14001:2015 and  
 ISO 45001:2018 certified company**

