

# ssb-G Sidewall Blocks

Shanxi sidewall blocks, fully graphitized



**simonsen®**

		Typical	Guaranteed	Standard Deviation
<b>Apparent Density:</b> <i>ISO 12985.1</i>	..... kg/m <sup>3</sup>	1620	≥ 1600	20
	..... lbs/cu.ft.	101	≥ 100	1
<b>Real Density:</b> <i>ISO 21687</i>	..... kg/m <sup>3</sup>	2150	≥ 2120	30
	..... lbs/cu.ft.	134	≥ 132	2
<b>Total Porosity:</b> <i>ISO 12985.2</i>	..... %	25	≤ 27	2
<b>Specific Electrical Resistivity:</b> <i>ISO 11713</i> 20°C (68°F)	..... μΩm	11	≤ 13.5	2
<b>Compressive Strength:</b> <i>ISO 18515</i>	..... MPa	22	≥ 20	2
	..... lbs/sq.ft	3190	≥ 2900	290
<b>Flexural Strength:</b> <i>ISO 12986.1</i>	..... MPa	7.5	≥ 6.5	1
	..... lbs/sq.ft	1088	≥ 943	145
<b>Ash Content:</b> <i>ISO 8005</i>	..... %	0.35	≤ 1.0	0.10
<b>Thermal Conductivity:</b> <i>ISO 12987</i> 20°C (68°F)	..... W/mK	105	≥ 100	5
<b>Coefficient of Linear Thermal Expansion:</b> <i>ISO 14420</i> 20-900°C	..... 10 <sup>-6</sup> /k	3.60	≥ 3.5.....	0.10
<b>Sodium Expansion:</b> <i>ISO 15379.1</i>	..... %	-	-	-
<b>Raw Materials:</b> Petroleum Coke	..... %	100		

## ssb-G Fully Graphitized Sidewall Blocks

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<b>Dimensional Tolerances:</b>	Length .....	mm	± 2
	Width .....	mm	± 2
	Thickness .....	mm	± 2

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<b>Max. Sizes Cathode Blocks:</b>	Length .....	mm	900
	Width .....	mm	550
	Thickness .....	mm	60-300

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<b>HS Tariff Number:</b>	.....	85451900
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(Harmonized Commodity Description and Coding System)

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**Packing:**     **ssb-G fully graphitized sidewall blocks** are packed on double-deck pallets with cardboard protection on all 4 sides and top, nylon straps and plastic foil.

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All sidewall blocks are produced by the extrusion production method.

Sidewall 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  
DK-7900 Nykøbing Mors  
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**

