

## Technical Data Sheet

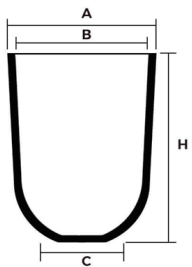
**Product Name:** Silicon Carbide Crucible  
**Catalog No.:** SC5622  
**Density:** 3.0-3.2 g/cm<sup>3</sup>  
**Shape:** Crucible  
**Purity:** 95%~99%



### Properties

<b>Compound Formula</b>	SiC
<b>Molecular Weight</b>	40.1
<b>Appearance</b>	Dark brown to black crucible
<b>Melting Point</b>	2,730°C
<b>Density</b>	3.0 to 3.2 g/cm <sup>3</sup>
<b>Tensile Strength</b>	210 to 370 MPa (Ultimate)
<b>Thermal Conductivity</b>	120 to 170 W/m·K
<b>Thermal Expansion</b>	4.0 to 4.5 μm/m·K
<b>Young's Modulus</b>	370 to 490 GPa

### Specification



	A ± 5mm	B ± 5mm	C ± 10mm	H ± 10mm
<b>170</b>		130	115	220
<b>170</b>		130	115	260
<b>205</b>		162	130	265
<b>240</b>		200	170	335
<b>270</b>		210	180	335
<b>290</b>		230	225	340
<b>295</b>		240	225	400
<b>305</b>		248	150	345
<b>310</b>		255	170	345

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By..... *Womman* .....