

ZHENGZHOU HAIXU ABRASIVES CO.,LTD  
EMAIL:SALES@ZZHAIXU.CN  
MP/WECHAT/WHATSAPP:+8615838373120  
WEBSITE:http://chinasic.net

## TECHNICAL DATA SHEET

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**PRODUCT:** BLACK SILICON CARBIDE

**SIZE:**F46

Black Silicon Carbide is produced in electrical internal resistance furnaces from high purity silica sands and petroleum coke,its combination of being very hard and sharp makes it a very aggressive abrasive.

### **AVERAGE CHEMICAL COMPOSITION(TYPICAL)**

SiC	≥98.6%
C <sub>F</sub>	≤0.20%
Fe <sub>2</sub> O <sub>3</sub>	≤0.40%
SiO <sub>2</sub>	≤0.05%

### **PHYSICAL PROPERTIES(TYPICAL)**

Density	≥3.12g/cm <sup>3</sup>
Mohs Hardness	9.15
Melting Point	2250°C
Refractoriness	1900°C
Magnetic	≤0.025%

### **PARTICLE SIZE DISTRIBUTION**

MESH	UM	RETAINED %
+30	+600	0
+40	+425	≤30
+45	+355	≥40
+45+50	+355+300	≥65
-60/PAN	-250	≤3

### **MAIN APPLICATIONS**

- Bonded Abrasives and Coated abrasives
- Blasting,surface Treatment,Rust Removal
- Wet and dry blast media,grinding and polishing etc
- Floor/Wall laminates,Wear-resistant

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**PACKAGING:**25kgs PVC bags+1MT big bag

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The shown values are typical characteristics of the material and shall not be used to prepare specifications. They are submitted to tolerances of the production and meet the present standard of technique. We reserve our right for changes within the scope of technical progress or internal improvement..