

## SILICON CARBIDE POWDERS FOR REFRACTORIES V

### 1 DESCRIPTION

It is a black color abrasive, high density, high intensive magnetic treatment for refractories manufacture uses to high temperature, excellent resistance to oxidation and high hardness wich is 9.2 in Mohs scale and 2,480 in Knoop scale.

### 2 APPLICATIONS

It is used in the production of bonded refractory products requiring high thermic conductivity, chemical stability, hot strenght, thermal shock and abrasion resistance properties. Other uses include refractory cement, loose refractory grain and electric heating elements.

### 3 TYPICAL CHEMISTRY

SiC	95% to 97.50%
SiO <sub>2</sub>	2.20% max
Si	0.50%
Fe	1.00% max
Al	1.00% max
C	1.00%

### 4 PHYSICAL PROPERTIES

Cristaline Structure	Alpha in the hexagonal and rhombohedral class
Knoop Hardness	2,480
Mohs Hardness	9.2
It dissociates at	2,700 C
Density	3.20 gr/cm <sup>3</sup>

### 5 SPECIFICATIONS / NORMS

Spec's

Micro Spec 's

2F5.9  
2F5.20  
RC.027

### 6 SIZES

Grit Sizes

5.9 DCF-PI  
5.20 RAW-106273  
027 -325 mesh



### 7 PACKAGING

1 Metric Ton maximum Super Sacks in wood pallets with strechable plastic.

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