

SILICON CARBIDE MACRO FOR REFRACTORIES

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 thermal conductivity, chemical stability, hot strenght, thermal shock and abrasion resistance properties. Other uses include crucibles,refractory cement, loose refractory grain and electric heating elements.

3 TYPICAL CHEMISTRY

SiC	97.60%
SiO ₂	0.60%
Si	0.80%
Fe	0.20%
Al	0.30%
C	0.50%

4 PHYSICAL PROPERTIES

Cristaline Structure	Alpha in the hexagonal and rhombohedral class
Knoop Hardness	2,480
Mohs Hardness	9.2
Specific Gravity	3.20 gr/cm ³
Melting Point	Sublimes at 2700 C

5 SPECIFICATIONS / NORMS

Spec 's:	:	Micro Spec 's	
2F1.1	2F1.7	2F1.14	2F1.34
2F1.2	2F1.8	2F1.15	2F1.35
2F1.3	2F1.9	2F1.16	
2F1.4	2F1.11	2F1.17	
2F1.5	2F1.12	2F1.20	
2F1.6	2F1.13	2F1.33	

6 SIZES

Grit Sizes	
1.1 8/16	1.12 6/10
1.2 8/16 V	1.13 10/18
1.3 35/70	1.14 18/34
1.4 35/70 R	1.15 100/F WM
1.5 16/35 V	1.16 34/70
1.6 16/35	1.17 70/F
1.7 100/F FED	1.20 100/F C
1.8 100/F	1.33 PREMIX
1.9 100/F V	1.34 6/16
1.11 6/18	1.35 4/20



7 PACKAGING

25 kg paper bags and 1 Metric Ton Super Sacks in wood pallets with strechable plastic.