

SILICON CARBIDE MACRO FOR GENERAL PURPOSES

1 DESCRIPTION

It is a black color abrasive, medium density, semi friable, it is distinguished by its abrasive powder, high resistance to the temperature, good resistance to the oxidation and high hardness wich is 9.2 in Mohs scale and 2,480 in Knoop scale, it has the particularity of the presence of blocky sharpes, wich permit to work with hardness materials.

2 APPLICATIONS

Their principal applications are the bonded and resin wheels manufacture, to polish and cut off fragile and hard materials, such as melt iron, ceramics, marble and glass, as well a ductile metal non ferric of low tension for the anti slide floor manufacture and engrave glass, marble, ceramics, etc., with blasting (abrasive blasting).

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
Particle Shape	Blocky Shape

5 SPECIFICATIONS / NORMS

FEPA 42-1:2006
ANSI B 74.12.2009



6 SIZES

Grit Sizes

FEPA		ANSI	
F-12	F-80	G-12	G-80
F-14	F-100	G-14	G-100
F-16	F-120	G-16	G-120
F-20	F-150	G-20	G-150
F-24	F-180	G-24	G-180
F-30	F-220	G-30	G-220
F-36		G-36	
F-46		G-46	
F-54		G-54	
F-60		G-60	

7 PACKAGING

25 kg paper bags and 1 Metric Ton Super Sack in wood pallets with stretchable plastic.