

**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 <sub>2</sub>	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 <sup>3</sup>
Particle Shape	Blocky Shape

**5 SPECIFICATIONS / NORMS**

FEPA 42-1:2006  
ANSI B 74.12.2009



**6 SIZES**

Grit Sizes

FEPA: F-12 to F-220  
ANSI: G-12 to G-220

Size	Density Spec's	
	Min	Max
F-12		
F-14	1.45	1.63
F-16		
F-20	1.43	1.61
F-24	1.47	1.65
F-30		
F-36	1.49	1.69
F-46		
F-54	1.47	1.64
F-60	1.47	1.66
F-70	1.44	1.61
F-80		
F-90	1.42	1.61
F-100	1.41	1.58
F-120		
F-150	1.38	1.54
F-180	1.36	1.52
F-220	1.38	1.53

**7 PACKAGING**

25 and 20 kg paper bags as well 1 Metric Ton Super Sack in wood pallets with stretchable plastic.