

SILICON CARBIDE MACRO WITH TREATMENT (S-2)

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DESCRIPTION

A black, semi-friable, medium-density abrasive with silane surface treatment for excellent bonding between the abrasive grain and organic adhesives. This material has a hardness of 9.2 on the Mohs scale and 2,480 on the Knoop scale.

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APPLICATIONS

Designed for use in resinoid or vitrified bonded applications, or in any parts designed for high-wear applications. The particle shape is combine with the surface treatment to offer the following advantages:

- A. Large and uniform surface area for increased bonding strength.
- B. Increased performance and life for wet or dry Grinding.
- C. Reduces premature dismounting of individual grains.

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TYPICAL CHEMISTRY

SiC	97.60%
SiO ₂	0.60%
Si	0.80%
Fe	0.20%
Al ₂ O ₃	0.30%
C	0.50%

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PHYSICAL PROPERTIES

Crystalline Structure	Alpha in the hexagonal and rhombohedral class
Knoop Hardness	2,480
Mohs Hardness	9.3
Density	3.20 gr/cm ³

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SPECIFICATIONS / NORMS

ANSI B 74.12.2009
FEPA 42-1:2006

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SIZES

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

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PACKAGING

25 kg paper bags and mini bags with 250 kg on wood pallets with stretchable wrap.