

## SILICON CARBIDE POWDERS TYPE "LA" FOR USES IN LAPPING OPERATIONS

### 1 DESCRIPTION

Black, medium-density, semi-friable, versatile abrasive powder. Characterized by Mohs hardness of 9.2, thermal resistance, resistance to oxidation, and blocky grain shape.

### 2 APPLICATIONS

Its main applications are for polishing (flat lapping) hard metal, ceramic, marble and granite. When looking to obtain more precise as to the size, improve the imperfections in shape, achieve smooth surfaces, smooth and improve the fit between them. In lapping operations, the special treatment avoid the material is compacted in the bottom of the containers and can be easily re-suspended in both water and oil.

### 3 TYPICAL CHEMISTRY

SiC	98.44%
SiO <sub>2</sub>	0.68%
Si	0.39%
Fe	0.09%
Al	0.10%
C	0.30%

### 4 PHYSICAL PROPERTIES

Crystalline Structure	Alpha in the hexagonal and rhombohedral class
Knoop Hardness	2,480
Mohs Hardness	9.2
Density	3.20 gr/cm <sup>3</sup>
Particle Shape	Blocky Shape

### 5 SPECIFICATIONS / NORMS

ANSI B74.10.2010  
FEPA 42-2:2006



### 6 SIZES

FEPA	ANSI
F-220-LA	G-220-LA
F-240-LA	G-240-LA
F-280-LA	G-280-LA
F-320-LA	G-320-LA
F-360-LA	G-360-LA
F-400-LA	G-400-LA
F-500-LA	G-500-LA
F-600-LA	G-600-LA
F-800-LA	G-800-LA
F-1000-LA	G-1000-LA
F-1200-LA	G-1200-LA

### 7 PACKAGING

20 and 25 kg, paper bags.