

SILICON CARBIDE POWDERS JIS

1 DESCRIPTION

Black, low-density, semi friable abrasive powder. Characterized by Mohs hardness of 9.2, thermal resistance, and resistance to oxidation.

5 SPECIFICATIONS / NORMS

JISR 6001:1998

2 APPLICATIONS

The particle shape and density are specifically engineered for coated abrasive applications, and this grain can be applied to paper, cloth, or polyester films with rubber or adhesive resins.



6 SIZES & BULK DENSITIES

JIS Coulter analysis

J-1000			
% Volume	value	specification	
0%	26.83		32
3%	18.68		27
50%	11.90	10.50	12.5
94%	7.80	7.00	
J-1200			
% Volume	Value	specification	
0%	22.89		27
3%	15.11		23
50%	9.92	8.70	10.3
94%	6.65	5.50	
J-1500			
% Volume	value	specification	
0%	17.05		23
3%	12.84		20
50%	7.92	7.40	8.6
94%	5.40	4.50	
J-2000			
% Volume	value	specification	
0%	15.92		19
3%	11.39		17
50%	6.57	6.10	7.3
94%	4.48	4.00	

3 TYPICAL CHEMISTRY

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

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 ³
Particle Shape	Angular with Sharp Edges

7 PACKAGING

20 and 25 kg paper bags on wood pallets with stretchable plastic.

Calle 4 No. 23 Col. Rústica Xalostoc, 55340 Ecatepec, México, Tel. (52-55) 5755-4895

Fax (52-55) 5755-7773

E-mail gbolanos@microdemexico.com.mx

Rev 00/02.14.17

FAV-022