



"GrayWolf" W.Szwaja

Dane kontaktowe (*contact information*)
tel. (*phone*): +48 34 3256023
fax: +48 34 3256023
e-mail: wojciech.szwaja@graywolf.pl
website: www.graywolf.pl

ul. Wawrzynowicza 8/10
42-218 Częstochowa
Polska (*POLAND*)
NIP (*EU VAT No.*): PL5731127315
REGON: 241992561

Product Data Sheet

Green Silicon Carbide grade ABR I

Green Silicon Carbide grains for abrasive applications

Chemically treated, high purity green silicon carbide in macro and micro grains, produced to comply with FEPA standard and particularly suitable for high quality vitrified bonded grinding wheels, honing stones, lapping and polishing applications.

Typical Chemistry:

	SiC	Free-C	Free-SiO ₂	Free-Si	Fe ₂ O ₃	MI
Macro	99,40 %	0,25 %	0,20 %	0,15 %	--	0,01 %
Micro	99,50 %	0,20 %	0,15 %	0,10 %	0,1 %	--

Grit Sizes and Shapes:

Macro grits		
Grit No.	Mean - ϕ mm	LPD g/cm ³
F 24	0,745	1,43 - 1,53
F 30	0,625	1,45 - 1,55
F 36	0,525	1,46 - 1,56
F 40	0,438	1,49 - 1,59
F 46	0,370	1,49 - 1,59
F 54	0,310	1,49 - 1,59
F 60	0,260	1,49 - 1,59
F 70	0,218	1,47 - 1,57
F 80	0,185	1,46 - 1,56
F 90	0,154	1,43 - 1,53
F 100	0,129	1,48 - 1,58
F 120	0,109	1,42 - 1,52
F 150	0,082	1,37 - 1,47
F 180	0,069	1,34 - 1,47
F 220	0,058	1,29 - 1,39

Micro grits		
Grit No.	ϕ d ₅₀ μ m	LPD g/cm ³
F 230	53,0 \pm 3,0	1,20 - 1,30
F 240	44,5 \pm 2,0	1,17 - 1,27
F 280	36,5 \pm 1,5	1,14 - 1,24
F 320	29,2 \pm 1,5	1,09 - 1,25
F 360	22,8 \pm 1,5	1,05 - 1,21
F 400	17,3 \pm 1,0	1,00 - 1,20
F 500	12,8 \pm 1,0	0,92 - 1,16
F 600	9,3 \pm 1,0	0,85 - 1,09
F 800	6,5 \pm 1,0	0,75 - 0,92
F 1000	4,5 \pm 0,8	not applicable
F 1200	3,0 \pm 0,5	not applicable
F 1500	2,0 \pm 0,4	not applicable



"GrayWolf" W.Szwaja

Dane kontaktowe (*contact information*)
tel. (*phone*): +48 34 3256023
fax: +48 34 3256023
e-mail: wojciech.szwaja@graywolf.pl
website: www.graywolf.pl

ul. Wawrzynowicza 8/10
42-218 Częstochowa
Polska (*POLAND*)
NIP (*EU VAT No.*): PL5731127315
REGON: 241992561

Product Data Sheet

Analytical Procedures:

Particle Size Distribution is measured according to FEPA Standard 42-1:2006 for Macro-, and 42-2:2006 for Micro-grains

LPD = Loose Pack Density is measured according to FEPA Standard 44-1:2006 for Macro-, and 44-2:2006 for Micro-grains

Magnetic Iron (MI) measured according ANSI B74.19-1990

Chemistry according ANSI B74.15-1992 (R2000)

Packaging:

25 kg paper bags or other packaging on request

The information contained in this Product Data Sheet is based on information given by our supplier and displays typical characteristics for Producer's products as currently produced in various manufacturing locations. However, further developments and adaptations of products according to the requirements of customers may result in changes of the above figures. Our supplier reserves the right to modify the manufacturing process of this product and change the specification at any time. Therefore, these typical characteristics do not constitute a precise Customer Specification, which has to be elaborated separately in the frame of a commercial offer. The product is produced according to the best knowledge of our supplier as part of His Quality Assurance System. Nevertheless, that does not release customers from their reception controls. They must also practise their own tests to determine if product fits into requirements of the aim it is going to be used for.