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Product Data Sheet

Black Silicon Carbide grade ABR P

Black Silicon Carbide grains for abrasive applications

High quality treated black silicon carbide in macro and micro grains, produced to comply with FEPA standard and particularly suitable for high quality coated abrasives, for metal, paint, chipboard grinding or finishing applications.

Typical Chemistry:

	SiC	Free-C	Free-SiO ₂	Free-Si	Fe ₂ O ₃	MI
Macro	98,70 %	0,30 %	0,55 %	0,45 %	--	0,03 %
Micro	99,00 %	0,25 %	0,35 %	0,30 %	0,20 %	--

Grit Sizes and Shapes:

Macro grits		
Grit No.	Mean - Ø mm	LPD g/cm ³
P 24	0,764	1,45 - 1,55
P 30	0,642	1,47 - 1,57
P 36	0,538	1,48 - 1,58
P 40	0,425	1,49 - 1,59
P 50	0,336	1,48 - 1,58
P 60	0,269	1,47 - 1,57
P 80	0,201	1,44 - 1,54
P 100	0,162	1,41 - 1,51
P 120	0,125	1,38 - 1,54
P 150	0,100	1,40 - 1,50
P 180	0,082	1,36 - 1,46
P 220	0,068	1,35 - 1,45

Micro grits		
Grit No.	Ø d ₅₀ µm	LPD g/cm ³
P 240	58,5 ± 2,0	1,34 - 1,44
P 280	52,2 ± 2,0	1,33 - 1,43
P 320	46,2 ± 1,5	1,30 - 1,40
P 360	40,5 ± 1,5	1,22 - 1,38
P 400	35,0 ± 1,5	1,22 - 1,38
P 500	30,2 ± 1,5	1,20 - 1,36
P 600	25,8 ± 1,0	1,17 - 1,33
P 800	21,8 ± 1,0	1,13 - 1,29
P 1000	18,3 ± 1,0	1,06 - 1,22
P 1200	15,3 ± 1,0	1,00 - 1,16
P 1500	12,6 ± 1,0	0,87 - 1,03
P 2000	10,3 ± 0,8	0,77 - 0,93
P 2500	8,4 ± 0,5	0,77 - 0,93
P 3000	4,0 ± 0,5	not applicable



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Analytical Procedures:

Particle Size Distribution is measured according to FEPA Standard 43-1:2006 for Macro-, and 43 GB 1984 R 1993 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.