

Black Silicon Carbide grains for coated abrasive applications

High quality black silicon carbide in macro and micro grains, produced to comply with FEPA standard and particularly suitable for high quality coated abrasives for surface preparation and finishing.

Packaging 1.000 kg or 1.500 kg Big Bags or 25 kg paper bags. Silo trucks on request.

Typical chemistry

	SIC	Free-C	Free-SiO ₂	Free-Si	Fe ₂ O ₃	MI
SIKA ABR P macro	99.00 %	0.20 %	0.30 %	0.40 %		0.03 %
SIKA ABR P micro	99.30 %	0.15 %	0.20 %	0.10 %	0.1 %	

Grit Sizes and Shapes

Macro grits		
Grit no.	Mean-Ø mm	LPD g/cm ³
P16	1.300	1.42 - 1.52
P20	0.980	1.43 - 1.53
P24	0.740	1.45 - 1.55
P30	0.625	1.47 - 1.57
P36	0.525	1.48 - 1.58
P40	0.415	1.49 - 1.59
P50	0.330	1.48 - 1.58
P60	0.260	1.47 - 1.57
P80	0.200	1.44 - 1.54
P100	0.160	1.41 - 1.51
P120	0.120	1.38 - 1.54
P150	0.098	1.40 - 1.50
P180	0.080	1.36 - 1.46
P220	0.065	1.35 - 1.45

Micro grits		
Grit no.	Mean-Ø µm	LPD g/cm ³
P240	58.5±2.0	1.34 - 1.44
P280	52.5±2.0	1.33 - 1.43
P320	46.2±1.5	1.30 - 1.40
P360	40.5±1.5	1.22 - 1.38
P400	35.0±1.5	1.22 - 1.38
P500	30.2±1.5	1.20 - 1.36
P600	25.8±1.0	1.17 - 1.33
P800	21.8±1.0	1.13 - 1.29
P1000	18.3±1.0	1.06 - 1.22
P1200	15.3±1.0	1.00 - 1.16
P1500	12.6±1.0	0.87 - 1.03
P2000	10.3±0.8	0.77 - 0.93
P2500	8.4±0.5	0.77 - 0.93
P3000	4.6±0.5	n.a.

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)

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