

## 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 25 kg/20 kg paper bags. 500 kg big bags on demand.

### Typical chemistry

	SiC	Free-C	Free-SiO <sub>2</sub>	Free-Si	Fe <sub>2</sub> O <sub>3</sub>	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			Micro grits		
Grit no.	Mean-Ø mm	LPD g/cm <sup>3</sup>	Grit no.	Mean-Ø µm	LPD g/cm <sup>3</sup>
P16	1.300	1.42 - 1.52	P240	58.5	1.34 - 1.44
P20	0.980	1.43 - 1.53	P280	52.5	1.33 - 1.43
P24	0.740	1.45 - 1.55	P320	46.2	1.30 - 1.40
P30	0.625	1.47 - 1.57	P360	40.5	1.22 - 1.38
P36	0.525	1.48 - 1.58	P400	35.0	1.22 - 1.38
P40	0.415	1.49 - 1.59	P500	30.2	1.20 - 1.36
P50	0.330	1.48 - 1.58	P600	25.8	1.17 - 1.33
P60	0.260	1.47 - 1.57	P800	21.8	1.13 - 1.29
P80	0.200	1.44 - 1.54	P1000	18.3	1.06 - 1.22
P100	0.160	1.41 - 1.51	P1200	15.3	1.00 - 1.16
P120	0.120	1.38 - 1.54	P1500	8.6	0.87 - 1.03
P150	0.098	1.40 - 1.50	P2000	6.5	0.77 - 0.93
P180	0.080	1.36 - 1.46	P2500	5.4	0.77 - 0.93
P220	0.065	1.35 - 1.45	P3000	4.5	n.a.
			P4000	3.6	n.a.
			P5000	2.7	n.a.

### Analytical procedures:

Particle Size distribution is measured according to FEPA Standard 42-1 for Macro-, and 42-2 for Micro-grains  
 LPD = Loose Pack Density is measured according to FEPA Standard 44-1 for Macro-, and 44-2 for Micro-grains  
 Magnetic Iron (MI) measured according ANSI B74.19  
 Chemistry according ANSI B74.15