

Black silicon carbide grains for abrasive applications

Water-washed, high purity black silicon carbide in macro and micro grains, produced to comply with FEPA standard and particularly suitable for high quality resinoid bonded/vitrified bonded grinding wheels, cut-off or snagging wheels and flap-discs.

Packaging 1.000 kg big bags or 20 kg paper bags or 25 kg paper sacks. 500 kg big bags on demand.

Typical chemistry

	SiC	Free-C	Free-SiO ₂	Free-Si	MI
SIKA® ABR IV macro	99.00%	0.20%	0.30%	0.40%	0.03%
SIKA® ABR IV micro	98.80%	0.13%	0.35%	0.40%	0.06%

Grit sizes and shapes

Macro grits			Micro grits		
Grit no.	Mean-Ømm	LPD g/cm ³	Grit no.	Mean-Øµm	LPD g/cm ³
F10	2.100	1.36 - 1.46	F240	44.5	1.33 - 1.53
F12	1.750	1.38 - 1.48	F280	36.5	1.31 - 1.51
F14	1.480	1.42 - 1.52	F320	29.2	1.20 - 1.40
F16	1.250	1.44 - 1.54	F360	22.8	1.18 - 1.39
F20	1.040	1.44 - 1.54	F400	17.3	1.10 - 1.30
F24	0.750	1.46 - 1.56	F500	12.8	1.05 - 1.27
F30	0.630	1.47 - 1.57	F600	9.3	0.90 - 1.10
F36	0.530	1.47 - 1.57	F800	6.5	0.85 - 1.07
F40	0.450	1.49 - 1.59	F1000	4.5	NA
F46	0.390	1.48 - 1.58	F1200	3.00	NA
F54	0.320	1.48 - 1.58			
F60	0.270	1.47 - 1.57			
F70	0.220	1.45 - 1.55			
F80	0.190	1.43 - 1.53			
F90	0.155	1.41 - 1.51			
F100	0.130	1.42 - 1.52			
F120	0.110	1.40 - 1.50			
F150	0.090	1.37 - 1.47			
F180	0.075	1.35 - 1.45			
F220	0.063	1.35 - 1.45			

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