

Green silicon carbide grains for abrasive applications

High quality water washed green silicon carbide in macro and micro grains produced to comply with FEPA standard and particularly suitable for vitrified bonded grinding wheels, honing stones and polishing applications.

Packaging 1.000 kg or 25 kg paper bags or 20 kg paper bags. 500 kg big bag on request.

Typical chemistry

	SiC	Free-C	Free-SiO ₂	Free-Si	MI
SIKA® ABR II macro	99.20%	0.20%	0.30%	0.30%	0.02%
SIKA® ABR II micro	99.00%	0.10%	0.35%	0.30%	0.04%

Grit sizes and shapes

Macro grits			Micro grits		
Grit no.	Mean-Ømm	LPD g/cm ³	Grit no.	Mean-Ømm	LPD g/cm ³
F16	1.250	1.43 - 1.51	F240	44.5	1.33 - 1.53
F20	1.040	1.44 - 1.52	F280	36.5	1.31 - 1.51
F24	0.750	1.45 - 1.53	F320	29.2	1.30 - 1.50
F30	0.630	1.45 - 1.53	F360	22.8	1.19 - 1.39
F36	0.530	1.46 - 1.54	F400	17.3	1.10 - 1.30
F40	0.450	1.47 - 1.55	F500	12.8	1.07 - 1.27
F46	0.390	1.47 - 1.55	F600	9.3	0.90 - 1.10
F54	0.320	1.46 - 1.54	F800	6.5	0.87 - 1.07
F60	0.270	1.46 - 1.54	F1000	4.5	NA
F70	0.220	1.45 - 1.53	F1200	3	NA
F80	0.190	1.44 - 1.52			
F90	0.155	1.43 - 1.51			
F100	0.130	1.42 - 1.50			
F120	0.110	1.40 - 1.48			
F150	0.090	1.38 - 1.46			
F180	0.075	1.38 - 1.46			
F220	0.063	1.36 - 1.44			

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

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