

## Black Silicon Carbide grains for abrasive applications

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

**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 <sub>2</sub>	Free-Si	Fe <sub>2</sub> O <sub>3</sub>	MI
<b>SIKA ABR IV macro</b>	99.00 %	0.20 %	0.30 %	0.40 %		0.03 %

## Grit Sizes and Shapes

Macro grits		
Grit no.	Mean-Ømm	LPD g/cm <sup>3</sup>
<b>F10</b>	2.000	1.36 - 1.46
<b>F12</b>	1.750	1.38 - 1.48
<b>F14</b>	1.480	1.42 - 1.52
<b>F16</b>	1.250	1.44 - 1.54
<b>F20</b>	1.040	1.44 - 1.54
<b>F24</b>	0.750	1.46 - 1.56
<b>F30</b>	0.630	1.47 - 1.57
<b>F36</b>	0.530	1.47 - 1.57
<b>F40</b>	0.450	1.49 - 1.59
<b>F46</b>	0.390	1.48 - 1.58
<b>F54</b>	0.320	1.48 - 1.58
<b>F60</b>	0.270	1.47 - 1.57
<b>F70</b>	0.220	1.45 - 1.55
<b>F80</b>	0.190	1.43 - 1.53
<b>F90</b>	0.155	1.41 - 1.51
<b>F100</b>	0.130	1.42 - 1.52
<b>F120</b>	0.110	1.40 - 1.50
<b>F150</b>	0.090	1.37 - 1.47
<b>F180</b>	0.075	1.35 - 1.45
<b>F220</b>	0.063	1.35 - 1.45

## 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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