

Black Silicon Carbide grains to be used as a loose abrasive in wire sawing applications.

Black silicon carbide produced in accordance with existing industrial standards or according to individual customer specifications.

Saint-Gobain OPTICUT is used to slice wafers out of silicon ingots or other hard brittle materials, and is designed to optimize cut rate while minimizing TTV and subsurface damage.

Packaging 1.000 kg big bags

Typical Chemistry

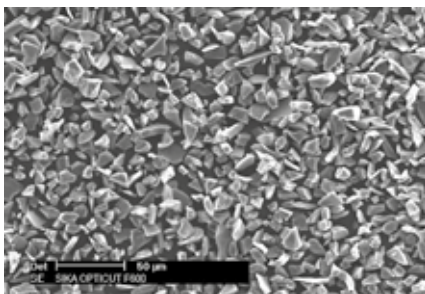
SiC	Free-C	Free-SiO ₂	Free-Si	Fe ₂ O ₃
99.40 %	0.20 %	0.10 %	0.20 %	0.10 % max

Grit Sizes and Shapes

FEPA Standard		
Grit No.	ds 50% μm	% mean circularity (ds 3% - ds 50%)
F600	8.3 - 10.3	< 0.90
F800	5.5 - 7.5	< 0.90
F1000	4.1 - 5.3	n.a.

Analytical Procedures:

Particle Size Distribution is measured according to FEPA Standard 42-2:2006
 Chemistry according ANSI B 74.15 1992
 Circularity measured by Malvern Sysmex FPIA-3000



SiC particles characterized by intermediate angular shapes, providing good balance between cut rate and surface finish.

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