

Silicon Carbide black

Our Type: SICS-RB

sieving acc. Fepa F*

Description:

Black Silicon Carbide is extremely hard and sharp with excellent physical and chemical properties. The material is commercially produced by the so-called "Acheson Process" using silica sand and pet coke as raw materials. It offers, amongst others, good heat-resistance and very high wear resistance.

Application:

- Resinoid bonded abrasives
- Vitrified abrasives
- Flooring industry

Characteristics:

Spec. gravity: 3.2 g/cm³ Fusion point: 2300 °C
 Hardness: 9-10 (Mohs)

Chemical Analysis (typical):

SiC	Fe ₂ O ₃	C free	Magnet.fract.
98.50%	0.24%	0.20%	0.10%

Available Grits and Bulk Densities (g/cm³):

Grit	min.	max.	Grit	min.	max.
F 12	1.43	1.53	F 60	1.43	1.53
F 14	1.43	1.53	F 70	1.40	1.50
F 16	1.43	1.53	F 80	1.40	1.50
F 20	1.43	1.53	F 90	1.36	1.46
F 24	1.45	1.55	F 100	1.34	1.44
F 30	1.45	1.55	F 120	1.32	1.42
F 36	1.45	1.55	F 150	1.30	1.40
F 40	1.45	1.55	F 180	1.30	1.40
F 46	1.43	1.53	F 220	1.30	1.40
F 54	1.43	1.53			

Packing:

In 25-kg-bags on pallets of 1 MT shrinkfoiled or in 1 MT Big Bags.

01.01.2024

This technical information is given according to today's knowledge and can be subject to changes.

*Sieving is determined according to Fepa Standard 42-1:2006; bulk density according to ISO 9136-1.