



Silicon Carbide green

Our Type: SICG-CBA

sieving acc. Fepa F*

Description:

Due to its special physical and chemical properties, green silicon carbide is characterized by very high hardness and sharpness. Compared to black silicon carbide, our material stands out due to its higher purity. In addition, it is acid washed and highly heat and wear resistant.

Application:

- Vitrified and resinoid bonded grinding wheels
- Polishing
- Lapping

Characteristics:

Specific gravity: 3.21 g/cm³ Fusion point: 2300 °C
 Hardness: 9-10 (Mohs)

Chemical Analysis (typical):

	SiC	Fe ₂ O ₃	C free
F12 - F150	min. 99%	max. 0.4%	max. 0.2%
F180, F220	min. 98.5%	max. 0.4%	max. 0.2%

Available Grits and Bulk Densities (g/cm³):

Grit	min.	max.	Grit	min.	max.
F 12	1.37	1.52	F 60	1.45	1.60
F 16	1.42	1.57	F 70	1.45	1.60
F 20	1.42	1.57	F 80	1.45	1.60
F 24	1.42	1.57	F 90	1.38	1.53
F 30	1.42	1.57	F 100	1.38	1.53
F 36	1.42	1.57	F 120	1.33	1.48
F 40	1.42	1.57	F 150	1.33	1.48
F 46	1.45	1.60	F 180	1.28	1.43
F 54	1.45	1.60	F 220	1.23	1.38

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.