



Silicon Carbide SIC

Available as black and green types.

SIC Macro Grits

Additive for the abrasives industry and for the refractory industry

Component of anti-slip surfaces

Hard concrete aggregate for industrial floors, among others

Semiconductor material

Specific density:	3.2 g/cm ³
Hardness according to	9.2
Melting point:	ca. 2300 °C

Grain size distributions according to FEPA:

F 010	F 012	F 014	F 016	F 020	F 022	F 024	F 030	F 036	F 040	
2360- 1700	2000- 1400	1700- 1180	1400- 1000	1180- 850	1000- 710	850- 600	710- 500	600- 425	500- 355	
F 046	F 054	F 060	F 070	F 080	F 090	F 100	F 120	F 150	F 180	F 220
425- 300	355- 250	300- 212	250- 180	212- 150	180- 125	150- 106	125-90	106-63	90-63	75-53

Nominal grain sizes in µm.

Chemical composition of SIC, black (typical):

	F 012 – F 090	F 100 – F 180	F 220
	wt%	wt%	wt%
SiC	≥98.5	≥98.0	≥97.5
C (free)	≤0.2	≤0.3	≤0.3-0.6
Fe ₂ O ₃	≤0.2	≤0.3	≤0.3-0.6

Silicon Carbide SIC

Available as black and green types.



SIC Micro Grits

Additive for the abrasives industry and for the refractory industry

Lapping agent

Component of anti-slip surfaces

Hard concrete aggregate for industrial floors, among others

Semiconductor material

Specific density:	3.2 g/cm ³
Hardness according to	9.2
Melting point:	ca. 2300 °C

Grain size distributions according to FEPA [µm]:

	F 230	F 240	F 280	F 320	F 360	F 400	F 500	F 600	F 800	F 1000	F 1200
d ₃	<82	<70	<59	<49	<40	<32	<25	<19	<14	<10	<7
d ₅₀	50.0-56.0	42.5-46.5	35.0-38.0	27.7-30.7	21.3-24.3	16.3-18.3	11.8-13.8	8.3-10.3	5.5-7.5	3.7-5.3	2.5-3.5
d ₉₄	>34	>28	>22	>16,5	>12	>8	>5	>3	>2	>1	>1

Chemical composition of SIC, black (typical):

	F 240	F 280	F 320	F 400	F 500	F 600	F 800	F 1000	F 1200
	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%
SiC	≥98.5	≥98.5	≥98.5	≥98.0	≥98.0	≥98.0	≥98.0	≥98.0	≥98.0
C (free)	≤0.18	≤0.18	≤0.18	≤0.18	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2
Fe ₂ O ₃	≤0.19	≤0.19	≤0.19	≤0.19	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2



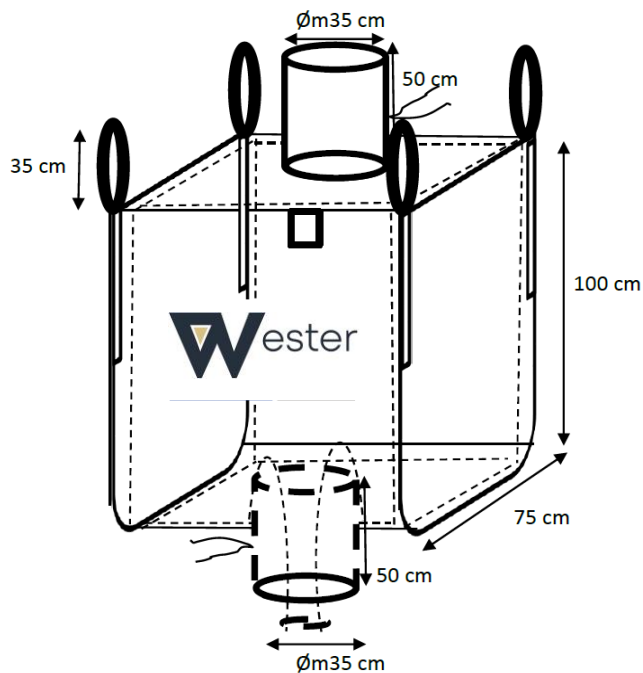
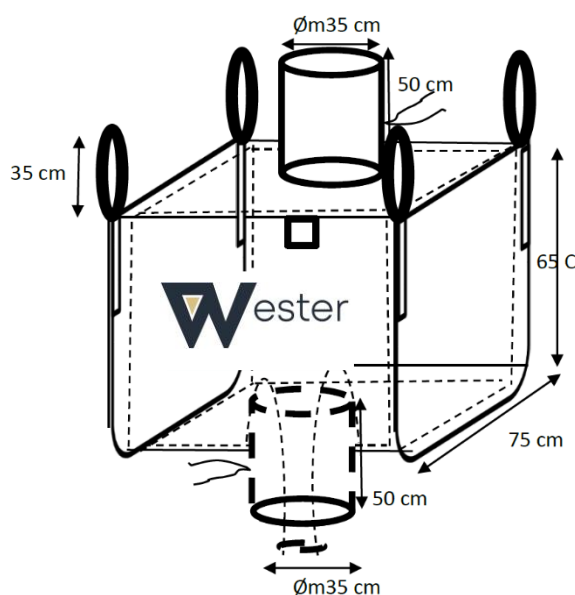
Silicon Carbide SIC

Available as black and green types.

Containers:

- 25 kg | paper sacks | up to 75 kg per package | from 100 kg on a pallet, provided with a shrink hood.
- 0,5 – 2 t | PP big bags* with or without inliner | on a pallet, provided with a shrink hood.

*according to ISO 21898



The lifting loops of a big bag must all be used at the same time.

Each batch is marked with article description, batch number, container size (quantity), batch quantity and production date.

Optimal storage conditions for our products and their packaging:

- protection against moisture
- protection against excessive sun exposure
- moderate temperatures
- carefully close or cover opened containers after use
- place/stack on a stable surface

If you have any questions about stability and storage, just contact us – we will be happy to advise you.

IMPORTANT NOTE: The above information represents our current experience. It is the responsibility of the user to check for himself before using the product whether it is suitable for the intended purpose, also with regard to possible influences that have an impact on the application. All questions of warranty and liability are determined by the respective provisions of the purchase contract, unless otherwise provided by statutory provisions.