

Black silicon carbide grains for abrasive applications

Sieved, green silicon carbide in macro grains, produced to comply with FEPA standard and particularly suitable for resinoid bonded grinding wheels, cut-off or snagging wheels, anti-slip flooring applications. Micro grains also used for marble, granite and stone polishing.

Packaging 25 kg paper bags or 1.000 kg big bags.

Typical chemistry

	SiC	Free-C	Free-SiO ₂	Free-Si	Fe ₂ O ₃	MI
Macro	98.00%	0.25%	0.70%	0.80%	0.10%	0.02%
Micro	98.60%	0.15%	0.60%	0.50%	0.08%	0.04%

Grit sizes and shapes

Macro grits		
Grit no.	Mean- θ mm	LPD g/cm ³
F 8	2.460	1.35 - 1.55
F 10	2.085	1.35 - 1.55
F 12	1.765	1.35 - 1.55
F 14	1.470	1.35 - 1.55
F 16	1.230	1.35 - 1.55
F 20	1.040	1.40 - 1.60
F 22	0.885	1.40 - 1.60
F24	0.745	1.40 - 1.60
F30	0.625	1.40 - 1.60
F36	0.525	1.40 - 1.60
F40	0.438	1.40 - 1.60
F46	0.370	1.40 - 1.60
F54	0.310	1.40 - 1.60
F60	0.260	1.40 - 1.60
F70	0.218	1.40 - 1.60
F80	0.185	1.35 - 1.55
F90	0.154	1.35 - 1.55
F100	0.129	1.35 - 1.55
F120	0.109	1.35 - 1.55
F150	0.082	1.30 - 1.50
F180	0.069	1.25 - 1.45
F220	0.058	1.25 - 1.45

Micro grits		
Grit no.	θ d ₅₅₀ μ m	LPD g/cm ³
F 240	44.5	1.37 - 1.52
F 280	36.5	1.34 - 1.49
F 320	29.2	1.30 - 1.45
F 360	22.8	1.27 - 1.42
F 400	17.3	1.05 - 1.20
F 500	12.8	1.05 - 1.20
F 600	9.3	0.93 - 1.08
F 800	6.5	0.93 - 1.08

Analytical procedures:

Particle Size Distribution is measured according to FEPA Standard 42-1 for Macro-, and 42-2 for Micro-grains

LPD = Loose Pack Density is measured according to FEPA Standard 44-1 for Macro-, and 44-2 for Micro-grains

Magnetic Iron (MI) measured according ANSI B74.19 Chemistry according ANSI B74.15

The information contained in this Product Information Document is the sole property of Kymera International, and cannot be distributed outside Kymera International or its Customers, entirely or by parts, without the prior consent of Kymera International. The Product Information Documents display typical characteristics for Kymera International's products as currently produced in Kymera International's various manufacturing locations. These typical characteristics do not constitute a precise Customer Specification, which has to be elaborated separately between the Customer and Kymera International in the frame of a commercial offer. Only with this precise Customer Specification can Kymera International be bound to any commitment or liability regarding the quality of its products.