

CARBOREX BW F 240 – F 1500

BLACK SILICON CARBIDE MICRO GRITS

FOR ABRASIVE AND CERAMIC APPLICATIONS

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CARBOREX SILICON CARBIDE black micro grits have a wide variety of applications. Abrasive applications (coated and bonded abrasives, wire sawing, lapping, polishing, etc.), technical ceramics, gas and liquid filtration, wear resistant applications (friction parts, coatings etc.).

PARTICLE SIZE DISTRIBUTION

Grit designation	d ₅₃ Max. (µm)	d ₅₀ (µm)	d ₉₄ Min. (µm)
F 240	70	44.5 ± 2.0	28
F 280	59	36.5 ± 1.5	22
F 320	49	29.2 ± 1.5	16.5
F 360	40	22.8 ± 1.5	12
F 400	32	17.3 ± 1.0	8
F 500	25	12.8 ± 1.0	5
F 600	19	9.3 ± 1.0	3
F 800	14	6.5 ± 1.0	2
F 1000	10	4.5 ± 0.8	1
F 1200	7	3.0 ± 0.5	1 (at 80%)
F 1500	5	2.0 ± 0.4	0.8 (at 80%)

Particle size distribution measured on Beckman Coulter Multisizer, according to FEPA 42-2: 2006.

TYPICAL SURFACE CHEMICAL VALUES

Product	SiC (wt%)	Free C (wt%)	Si (wt%)	SiO ₂ (wt%)	Fe (wt%)	Al (wt%)
F 240 – F 360	99.1	0.08	0.15	0.50	0.10	0.01
F 400 – F 800	98.8	0.12	0.20	0.65	0.10	0.02
F 1000 – F 1500	98.3	0.25	0.30	1.2	0.15	0.05

Chemical Analysis according to FEPA 45-1: 2011.

This product information is NOT a specification. It is offered in good faith only as a general description of the product. Washington Mills makes no warranty of merchantability or of fitness for any particular purpose. The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.

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