

CARBOREX GW F 240 – F 1500

GREEN SILICON CARBIDE MICRO GRITS

FOR ABRASIVE AND CERAMIC APPLICATIONS

Silicon Carbide Inquiries

Norway

Tel: +47-72-48-35-00
wmas@washingtonmills.no

General Inquiries

Europe

Tel: +44(0)161-848-0271
info@washingtonmills.com

North & South America

Tel: 1-800-828-1666
info@washingtonmills.com

Washington Mills AS

NO-7300
Orkanger, Norway
Email: wmas@washingtonmills.no
Tel: +47-72-48-35-00
Fax: +47-72-48-35-01
wmas@washingtonmills.no

Washington Mills

North Grafton, Inc.
P.O Box 428
20 North Main Street
North Grafton, MA 01536
Tel: 508-839-6511
Fax: 508-839-7675
info@washingtonmills.com

Washington Mills

Electro Minerals Corp.
P.O Box 423
1801 Buffalo Avenue
Niagara Falls, NY 14302
Tel: 716-278-6600
Fax: 716-278-6650
info@washingtonmills.com

Washington Mills

Electro Minerals Corp.
P.O Box 1002
7780 Stanley Avenue
Niagara Falls, Ontario
L2E 6V9 Canada
info@washingtonmills.com

Washington Mills

Tonawanda, Inc.
1000 E. Niagara Street
Tonawanda, NY 14150
info@washingtonmills.com

Washington Mills

Electro Minerals Ltd.
Mosley Road, Trafford Park
Manchester M17 1NR England
info@washingtonmills.com

Washington Mills Hennepin, Inc.

13230 Prairie Industrial Parkway
Hennepin, IL 61327
info@washingtonmills.com

CARBOREX SILICON CARBIDE green 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	99.4	0.10	0.10	0.30	0.05	0.005
F 400 – F 800	99.2	0.10	0.15	0.40	0.08	0.01
F 1000 – F 1500	98.8	0.15	0.20	0.70	0.10	0.015

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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