

CARBOREX FPG

GREEN SILICON CARBIDE FINE POWDERS

FOR 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 powders are produced to specific particle size distribution, surface area and purity for ceramic applications like liquid filtration, coatings and other technical ceramics.

PARTICLE SIZE AND SURFACE AREA

	d0 [μm] Max.	d10 [μm] Max.	d50 [μm]	d90 [μm] Min	S.S.A [m ² /g]
FPG 5	20	8,0	2,4±0,4	0,3	5±1
FPG 9	15	3,1	1,20±0,20	0,3	9±1
FPG 11	15	2,6	1,05±0,15	0,3	11±1
FPG 13	12	2,2	0,85±0,15	0,2	13±1
FPG 15	12	2,0	0,75±0,25	0,2	15±1
FPG 18	10	1,7	0,65±0,25	0,2	18±1
FPG 25	10	1,5	0,55±0,10	0,2	23±1

Particle size distribution measured on Malvern Mastersizer.
Specific Surface Area (S. S. A.): BET by Tristar.

TYPICAL IMPURITY LEVELS

	Free C [wt%]	Free Si [wt%]	SiO ₂ [wt%]	Fe [wt%]	Al [wt%]	Ca [wt%]	O [wt%]
FPG 5	0,25	0,3	0,5	0,05	0,03	0,01	0,5
FPG 9	0,25	0,15	0,6	0,03	0,03	0,01	0,7
FPG 11	0,25	0,15	0,7	0,03	0,03	0,01	0,7
FPG 13	0,3	0,2	0,9	0,03	0,03	0,01	1,0
FPG 15	0,3	0,2	1,0	0,03	0,03	0,01	1,0
FPG 18	0,4	0,3	1,5	0,07	0,05	0,02	1,5
FPG 25	0,4	0,3	1,5	0,07	0,05	0,02	1,5

Free C, Free Si, SiO₂ measured according to FEPA-Standard 45-1:2011. Fe, Al, Ca measured with XRF.
Oxygen measured by combustion and IR detection.

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.

updated September 2020

WASHINGTON MILLS

www.washingtonmills.com