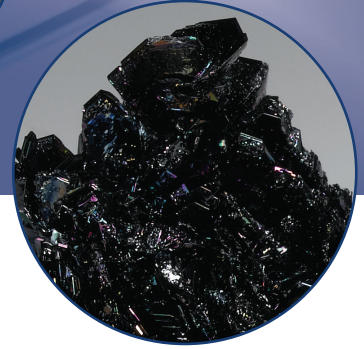
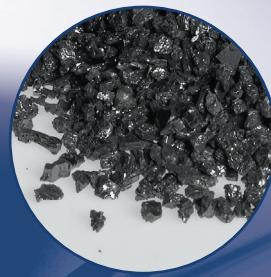
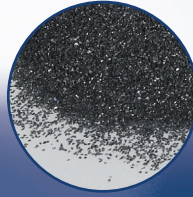


CARBOREX® G21 (ANSI GRADED) CARBOREX® G21P (FEPA "P" GRADED)



General Inquiries
North & South America
Tel: 1-800-828-1666
Europe
Tel: +44(0)161-848-0271
info@washingtonmills.com
www.washingtonmills.com

Washington Mills
North Grafton, Inc.
20 North Main Street
North Grafton, MA 01536
Tel: 508-839-6511
Fax: 508-839-7675
Email: 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
Email: info@washingtonmills.com

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

Washington Mills
Tonawanda, Inc.
1000 E. Niagara Street
Tonawanda, NY 14150
Email: info@washingtonmills.com

Washington Mills
Electro Minerals Ltd.
Mosley Road, Trafford Park
Manchester M17 1NR England
Email: sales@washingtonmills.co.uk

Washington Mills Hennepin, Inc.
13230 Prairie Industrial Parkway
Hennepin, IL 61327
Email: info@washingtonmills.com

Washington Mills AS
NO-7300
Orkanger, Norway
Email: wmas@washingtonmills.no

DESCRIPTION

CARBOREX® G21 and CARBOREX® G21P are sharp, angular, low density black silicon carbide abrasives. The chemical and physical properties of CARBOREX® G21 and CARBOREX® G21P allow for implementation in electrostatic and gravity fed applications.

APPLICATIONS

CARBOREX® G21 and CARBOREX® G21P grains are used in the manufacture of silicon carbide coated abrasives for high speed, high tensile strength, and heavy duty automated applications in the metals industry. These may be used on paper, fiber, or cloth backing and with glue or resin adhesive.

TYPICAL CHEMICAL ANALYSIS

SiC	97.80%
SiO ₂	0.60%
Si	0.80%
Fe	0.20%
Al	0.30%
C	0.30%

GRAIN SIZES AVAILABLE

10, 12, 14, 16, 20, 24, 30, 36, 46,
54, 60, 70, 80, 90, 100, 120, 150,
180 and 220

POWDER SIZES AVAILABLE

240, 280, 320, 360, 400, 500, 600,
800, 1000, 1200, F, FF and FFF

TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha silicon carbide in the hexagonal and rhombohedral classes of the hexagonal system
Color	Black
Specific Gravity	3.20
Knoop ₁₀₀ Hardness	2480
Shape	Angular, with sharp edges
Grading	ANSI B74.18-2018 OR FEPA 43-1:2006
Grading (Powders)	ANSI B74.10-2015 OR FEPA 43-2:2017
Bulk Density (Grain)	ANSI B74.4-1992 (R2019)

TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
16	1.38 – 1.54	36	1.38 – 1.50	80	1.35 – 1.46	180	1.25 – 1.44
20	1.38 – 1.52	40	1.38 – 1.50	100	1.31 – 1.45	220	1.25 – 1.43
24	1.38 – 1.52	50	1.37 – 1.49	120	1.28 – 1.44		
30	1.38 – 1.50	60	1.36 – 1.47	150	1.25 – 1.44		

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.

WASHINGTON MILLS

www.washingtonmills.com