

CARBOREX BW

General Inquiries

Europe

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

North & South America

Tel: 1-800-828-1666

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
Email: info@washingtomills.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@washingtomills.com

Washington Mills

Electro Minerals Corp.

P.O. Box 1002
7780 Stanley Avenue
Niagara Falls, Ontario L2E 6V9 Canada
Email: info@washingtomills.com

Washington Mills

Tonawanda, Inc.

1000 E. Niagara Street
Tonawanda, NY 14150
Email: info@washingtomills.com

Washington Mills

Electro Minerals Ltd.

Mosley Road, Trafford Park
Manchester M17 1NR England
Email: info@washingtomills.com

Washington Mills Hennepin, Inc.

13230 Prairie Industrial Parkway
Hennepin, IL 61327
Email: info@washingtomills.com

Washington Mills AS

NO-7300
Orkanger, Norway
Email: wmas@washingtomills.no

DESCRIPTION

CARBOREX BW is a black, semi-friable, medium density, silicon carbide abrasive.

APPLICATIONS

CARBOREX BW is used in both organic and vitrified grinding wheels for grinding hard or brittle materials such as cast iron, ceramics and glass, as well as low tensile strength, ductile non-ferrous metals.

TYPICAL CHEMICAL PROPERTIES

SiC	97.60%
SiO ₂	0.60%
Si	0.80%
Fe	0.20%
Al	0.30%
C	0.50%
Magnetic Iron	0.04% max.

TYPICAL PHYSICAL PROPERTIES

Crystal Structure	Alpha silicon carbide in the hexagonal and rhombohedral classes of the hexagonal system.
Specific Gravity	3.20 g/cm ³
Knoop ₁₀₀ Hardness Number	2480
Shape	Blocky, with sharp edges.
Grading	FEPA 42-1
Bulk Density	FEPA 44-1
Magnetic Iron	Netronics Analyser. ANSI B74.19
Bag Markings	Product Designation and Batch Number on each bag

POUR DENSITIES

Size	Gms/cm ³	Size	Gms/cm ³	Size	Gms/cm ³	Size	Gms/cm ³
10	1.36 - 1.46	24	1.46 - 1.56	54	1.48 - 1.58	100	1.42 - 1.58
12	1.38 - 1.48	30	1.47 - 1.57	60	1.47 - 1.57	120	1.40 - 1.52
14	1.41 - 1.52	36	1.47 - 1.57	70	1.45 - 1.55	150	1.37 - 1.47
16	1.43 - 1.54	40	1.47 - 1.58	80	1.43 - 1.53	180	1.33 - 1.43
20	1.44 - 1.54	46	1.48 - 1.59	90	1.41 - 1.51	220	1.28 - 1.38

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