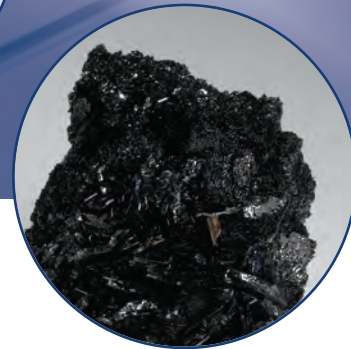
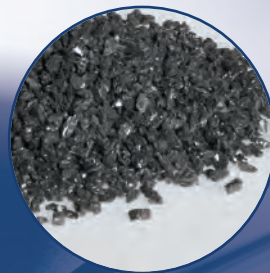
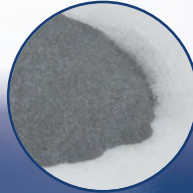


CARBOREX® C-6



DESCRIPTION

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

APPLICATIONS

CARBOREX® C-6 is used in both organic and vitrified grinding wheels for grinding hard or brittle materials such as cast iron, ceramics, and glass. It is also used for grinding low tensile strength, ductile, non-ferrous metals. CARBOREX® C-6 is also available with a silane treated surface treatment (CARBOREX® C-6 / SK).

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

Specialty sizes available upon request

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	Blocky, with sharp edges
Grading (Grain)	ANSI B74.12-2001, Table 2 OR FEPA 42-1:2006
Grading (Powder)	ANSI B74.10-2001 OR FEPA 42-2:2006
Bulk Density (Grain)	ANSI B74.4-1992(R2007)
Magnetics	ANSI B74.19-2002 (R2007)

TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
10	1.48 – 1.56	24	1.50 – 1.58	60	1.45 – 1.53	120	1.39 – 1.47
12	1.51 – 1.59	30	1.49 – 1.57	70	1.44 – 1.53	150	1.37 – 1.45
14	1.51 – 1.59	36	1.49 – 1.57	80	1.42 – 1.50	180	1.35 – 1.43
16	1.51 – 1.59	46	1.48 – 1.56	90	1.41 – 1.49	220	1.34 – 1.42
20	1.50 – 1.58	54	1.47 – 1.55	100	1.40 – 1.48		

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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 9-08

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