



RUHC — RUBY FUSED ALUMINUM OXIDE

RUBY FUSED ALUMINA (AL₂O₃) FOR BONDED ABRASIVES

ABOUT:

RUHC is a dark pink aluminum oxide obtained by fusion of calcined alumina and chrome ore in electric arc furnaces. Its high purity and self-edged reposition characteristics make RUHC a special product for vitrified grinding wheels.

TYPICAL CHEMICAL ANALYSIS	
Al ₂ O ₃	97.23%
Fe ₂ O ₃	0.08
Na ₂ O	0.34
Cr ₂ O ₃	2.19

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity:	3.94 g/cc
Knoop 100 Hardness:	1900 kg/cm ²
Toughness:	45% (ANSI-B74.8 R2007)

TYPES OF TREATMENT	
Treatment	SHAPE
	Block
Not Treated	RUHC R
Red Coated (RC)*	RUHCRC R
Silane Treated (ST)*	RUHCST R

BULK DENSITY (g/cc)			
Grit Size	R	Grit Size	R
10	1.78 - 1.88	50	1.70 - 1.80
12	1.77 - 1.87	60	1.65 - 1.75
14	1.77 - 1.87	70	1.62 - 1.72
16	1.76 - 1.86	80	1.59 - 1.69
20	1.75 - 1.85	90	1.56 - 1.66
24	1.75 - 1.85	100	1.53 - 1.63
30	1.75 - 1.85	120	1.52 - 1.62
36	1.75 - 1.85	150	1.50 - 1.60
40	1.72 - 1.82	180	1.46 - 1.56
46	1.71 - 1.81	220	1.42 - 1.52

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*Treatment (RC or ST) can affect bulk density by ± 0.05 g/cm³

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USEM

U.S. ELECTROFUSED MINERALS, INC.

600 Steel Street, Aliquippa, PA 15001

Phone: 800-927-8823

email: info@usminerals.com

www.usminerals.com



ELECTRO ABRASIVES

701 Willet Road, Buffalo, NY 14218

Phone: 716-822-2500

Email: info@electroabrasives.com

www.electroabrasives.com



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