

Pink Fused Aluminum Oxide

RUHC

RUHC is a dark Pink aluminum oxide obtained by fusion 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.

Types of Treatment

Treatment	Shape
	Block
Not treated	RUHC R
Red Coated (RC)*	RUHCRC R
Silane Treated (ST)*	RUHCST R

General Characteristics

True Specific Gravity	Hardness (Knoop – 100)	Toughness (ANSI-B74.8R2007)
3.94 g/cm ³	1,900 kgf/cm ²	45%

Chemical Analysis by XRF (%)

AL ₂ O ₃	Cr ₂ O ₃	Fe ₂ O ₃	Na ₂ O
97.23	2.19	0.08	0.34

Bulk Density (g/cm³)

Grit Size	R	Grit Size	R
10	1.78 – 1.88	54	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

The values informed above are typical, for further information contact Applications Engineer Department.

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