



White Fused Aluminum Oxide

AL

AL is a white aluminum oxide obtained from the fusion of calcined alumina in electric arc furnaces. AL presents high purity and high capability of edge reposition. It's recommended for special applications where contamination is an issue to be considered.

Grades

Shape Treatment	Blocky	Super Blocky
Not Treated	AL R	ALHD R
Red Coated (RC)	ALRC R	ALHDRC R
Silane Treated (ST)	ALST R	ALHDST R

General Properties

True Specific Gravity	3.94 g/cm ³
Hardness (Knoop-100)	1950 Kgf/mm ²
Toughness (ANSI-B.74.8.1987)	38 %

Typical Chemical Content

Al ₂ O ₃	Fe ₂ O ₃	Na ₂ O
99.4	0.06	0.38

Bulk Density (g/cm³)

Grit Size	R	HD	Grit Size	R	HD
10	1.75-1.85	1.82-2.02	54	1.69-1.79	1.76-1.96
12	1.75-1.85	1.82-2.02	60	1.67-1.77	1.74-1.94
14	1.75-1.85	1.82-2.02	70	1.65-1.75	1.72-1.92
16	1.74-1.84	1.81-2.01	80	1.61-1.71	1.68-1.88
20	1.74-1.84	1.81-2.01	90	1.60-1.70	1.67-1.87
22	1.74-1.84	1.81-2.01	100	1.58-1.68	1.65-1.85
24	1.74-1.84	1.81-2.01	120	1.54-1.64	1.61-1.81
30	1.73-1.83	1.80-2.00	150	1.51-1.61	1.58-1.78
36	1.72-1.82	1.79-1.99	180	1.50-1.60	1.57-1.77
40	1.72-1.82	1.79-1.99	220	1.47-1.57	1.54-1.74
46	1.69-1.79	1.76-1.96			

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