



MAXCAL — BROWN ALUMINUM OXIDE

LOW TITANIA BROWN FUSED ALUMINA (AL₂O₃) FOR COATED ABRASIVES

ABOUT:

MAXCAL is a special brown fused aluminum oxide developed for high performance abrasive products. MAXCAL is low titania content product, heat treated in a rotary kiln at high temperatures and magnetic treated. These procedures guarantee low iron content and excellent grit stability.

TYPICAL CHEMICAL ANALYSIS	
Al ₂ O ₃	97.74%
TiO ₂	1.29
SiO ₂	0.51
Fe ₂ O ₃	0.13
MgO	0.05

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity:	3.94 g/cc
Knoop 100 Hardness:	1900 kg/cm ²
Toughness:	46% (ANSI-B74.8 R2007)

TYPES OF TREATMENT	
Treatment	SHAPE
	Angular
Not Treated	MAXCAL L
Red Coated (RC)*	MAXCALRC L
Silane Treated (ST)*	MAXCALST L

Grit Size	BULK DENSITY (g/cc)	
	L	L
12	1.80 - 1.90	1.65 - 1.75
16	1.80 - 1.90	1.62 - 1.72
20	1.79 - 1.89	1.60 - 1.70
24	1.79 - 1.89	1.57 - 1.67
30	1.75 - 1.85	1.50 - 1.60
36	1.75 - 1.85	1.50 - 1.60
40	1.70 - 1.80	1.50 - 1.60
50	1.66 - 1.76	

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



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GRUPO CURIMBABA

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