



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: **Alumac** Zirconia 40

Mac'Ants Group Ref: **ZA 40**

Product: 40% Zirconia Alumina

Description: A Zirconia Rich Fused Alumina .

Application: A high quality Alumina-Zirconia Abrasive Grain, specifically manufactured for use within the bonded abrasive industry. All material is manufactured to stringent high standards and graded to FEPA industry parameters, other grading specifications can be supplied on request.

Chemical Composition:

Compound	Chemical Formula	Typical Content %
Aluminium Oxide	Al ₂ O ₃	>58
Zirconium Dioxide	ZrO ₂	37 – 41
Titanium Oxide	TiO ₂	0.9 max
Silicon Dioxide	SiO ₂	0.6 max
Iron Oxide	Fe ₂ O ₃	0.3 max
Calcium Oxide	CaO	0.5 max
Magnesium Oxide	MgO	0.2 max
Sodium Oxide	Na ₂ O	0.3 max

Physical Parameters:

Bulk Density	1.9 – 2.4 g /cc (subject to grade)
Shape	Cubical
Colour	Brown – Grey
Specific Gravity	TBC g/cc
Hardness	9.5 moh

Gradation:

FEPA F grit in macro range 8 to 220.

Packaging:

Typically 25 kg multi ply paper sacks, but 1000kg big bags are available and custom label on application

Compliance;

This product is REACH compliant, ask Mac'Ants Group for the associated REACH registration details.

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