Mac'Ants Group

Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: *Alumac* Premium White - Airbus   Mac'Ants Group Ref: **PWA**

Product: Aerospace White Fused Alumina

Description: Our high quality white fused alumina specifically approved for aerospace applications

Application: An aggressive electro mineral manufactured from purer calcined aluminas and selected for purity in manufacture. Our product has been validated and approved by a vast array of aerospace OEM clients for use in precision surface finishing and specialised surface improvement applications on super alloy and stainless components.
Certification: Rolls Royce CSS12, Rolls Royce OMAT 184; 1/293; 145; 1/244; 146; 1/266; 1/39; 1/314. Compliant to GE Aircraft Engines D50TF5. With effect 2009 materials are acid washed where applicable as part of the processing regime. Pratt & Whitney; PMC3044, PMC3045, PMC3052, PMC3079, PMC3121, PMC3123, PMC3132, PMC3155, PMC3187, PMC3202

Chemical Composition:

Compound	Chemical Formula	Typical Content %	Guaranteed Limits %
Aluminium Oxide	Al_2O_3	99.47	98.75 min
Titanium Dioxide	TiO_2	<0.05	0.05 max
Silicon Dioxide	SiO_2	<0.05	0.1 max
Iron Oxide	Fe_2O_3	<0.05	0.1 max
Calcium Oxide	CaO	<0.05	0.05 max
Magnesium Oxide	MgO	<0.05	0.05 max
Chromium Oxide	Cr_2O_3	0.007	0.01 max
Alkali Metals	Na_2O & K_2O	0.62	1.0 max
Elemental Lead	Pb	<1ppm	5ppm max
Acid Extractable Iron	Fe	0.025	0.3 max
Acid Extractable Lead	Pb	<3ppm	20ppm max

Physical Parameters:

Bulk Density	Subject to grade / size distribution
Shape	Angular
Colour	White
Specific Gravity	3.95 g/cc
Hardness	9.5 moh / 2200 knoop Diamond

Gradation:
Grit sizes in macro range 8 to 220 and micro 280/500, bespoke and blended grades on request.

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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