PAF
(Potassium Aluminium Fluoride)

For removal of Mg from aluminium alloy melts.

Potassium Aluminium Fluoride [PAF] is used to remove alkali earth metals [particularly Mg, but also Li and Ca] from molten aluminium alloys.

PAF rapidly combines with Mg to form a complex fluoride liquid slag which can be skimmed off. If smaller quantities are used then oxides will absorb the liquid slag and the dross can be removed as normal.

Composition / Properties

PAF is a fused inorganic salt which is a non-stoichiometric mixture of K_3AlF_6 and $KAlF_4$. PAF from AMG has the following typical composition and properties:

Product	K	Al	F	Fe	Si	Ti	Ca	Form
PAF	25-30%	18-20%	45-50%	0.5%	0.15%	0.1%	0.1%	Powder / lump

Composition is a maximum unless shown as a range.

Form & Packaging

PAF is available as Minus 16# (-1mm) graded powder or in lump form. Packaging options as follows:

1) 25kg paper sacks, packed as nominal 1 metric ton, shrink-wrapped on pallets

2) Nominal 1 metric ton bulk bags, shrink-wrapped on pallets

Addition Practice

PAF is added to the molten bath and thoroughly stirred in. The exact amounts to be added will vary depending on the level of Mg to be removed.

Building 200 | 435 Devon Park Drive | Wayne, PA | 19087 USA
Email: info@amg-al.com **Web:** www.amg-al.com