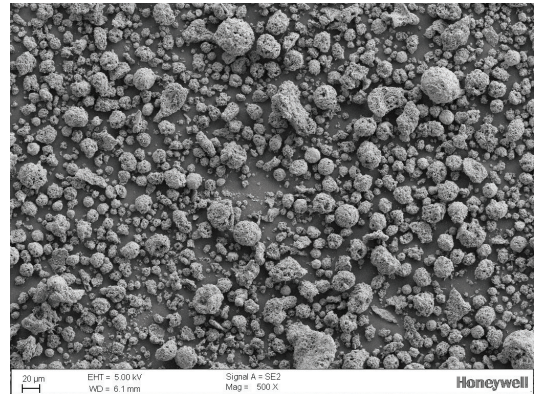


Potassium tetrafluoroaluminate D

Benefits:

- Coarse Honeywell Potassium tetrafluoroaluminate D powder provides improved powder fluidity. It also provides good powder transport and reproducible feeding into the injector, where the powder is dispersed and mixed homogeneously with the carrier gas.
- Improves production efficiency because flux output from the injector doesn't fluctuate and injection rates can be well controlled in a wide range.
- Coarse Honeywell Potassium tetrafluoroaluminate D powder increases profitability and reduced post braze residue because it enables lower flux loading.
- Excellent braze fillet formation. Absence of anti-caking additives which could affect joint building. Instead the free-flowing properties are achieved by a change in particle morphology, reducing particle cohesivity.



Product Data Sheet

Article Designation:	Potassium tetrafluoroaluminate D
Description:	Non-corrosive controlled atmosphere brazing (CAB) flux
Main use:	Cladded aluminum parts can be joined using this product
Method of Application:	Suitable for dry flux applications using thermal spray coating with melt bonding, or coating methods using low temperature particle attraction technologies

Typical Physical Properties

Appearance	White powder
Onset of melting (flux)	560°C
Particle size (d50, measured as dry powder)	Coarse, >15µm
Fluidity test (flowmeter funnel)	Runs under gravity freely through an orifice of 25 mm

Typical Chemical Properties

Potassium (K)	29-34 %
Aluminium (Al)	14-18%
Fluoride (F)	47-53 %

Appearance of Packing

Type	Net Weight	Dimensions
Cardboard box with handle and PE inliner	25 kg	394 x 327 x 364 mm (LxWxH)



Application

- Store in closed container to prevent moisture absorption from air.
- Before use, stir up or fluidize with carrier gas to achieve a stable powder feed into the injector.
- Apply a thin, even coat on the clad aluminium parts.

Safety

- Non-corrosive flux powders are classified as an irritant according to current regulations.
- Observe usual chemical handling precautions.
- Please see Material Safety Data Sheet (MSDS) for additional information.

All statements and information provided herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated herein, or that other measures may not be required. User assumes all liability for use of the information and results obtained.

For more information

visit honeywell-brazingsolutions.com

Honeywell Specialty Chemicals

Seelze GmbH

Wunstorfer Strasse 40

D-30926 Seelze

Germany



2957 A4 | June 2018
©2018 Honeywell International Inc.

Honeywell