

### Description

Aluminium trihydroxide (also known as ATH) is a low-cost, inert, odourless filler powder that can be used to bulk-out, reduce shrinkage, add weight and add fire retardancy to casting resins including polyurethane, epoxy and polyester.

### Key Features

- Low moisture content
- Flame retardant properties

### Typical Uses

- Reduce shrinkage
- Improve thermal stability
- Add weight to castings

Aluminium trihydroxide can be added to casting resins at an approximate maximum percentage of 200% by weight (e.g. 200g of filler powder to 100g of resin). This will result in a heavier more substantial feel to cast products however the resin will become harder to pour and reproduction of fine surface details will be impaired as the filler content is increased.

Aluminium Trihydroxide Filler Powder is compatible with all popular casting resins, including polyurethane, epoxy and polyester.

### Specification

Chemical & Physical Analysis	Test Method	Value
Moisture	ISO 806	<=0.1%
Al <sub>2</sub> O <sub>3</sub>	Dif.	64.5 – 65.5 %
SiO <sub>2</sub>	XRF	0.002 – 0.010%*
Fe <sub>2</sub> O <sub>3</sub>	XRF	0.005 – 0.0013%*
TiO <sub>2</sub>	XRF	0.001 – 0.003%*
CaO	XRF	0.001 – 0.007%*
Na <sub>2</sub> O	XRF	0.17 – 0.25%*
L.O.I (105-1000°C)	ISO 806	34.6%*
Granulometry <45 microns	ISO 13320-1	4.0<=12% Typically*

\*Values for material dried to 105°C

### Disclaimer

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum. Our technical advice, whether verbal or in writing, is given in good faith but Easy Composites Ltd gives no warranty; express or implied, and all products are sold upon condition that purchasers will make their own tests to determine the quality and suitability of the product for their particular application and circumstances.

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