## Levitated Metals Twitch

#### Melt analysis shows feedstock well-suited for A380, ADC12 and A319 production

Material	Average	% Range	Notes
Silicon (Si)	5.5%	4.0% - 7.5%	
Copper (Cu)	1.7%	1.3% - 2.2%	
Zinc (Zn)	0.8%	0.7% - 1.1%	Only one result out of 35+ has been > 1.0%
Magnesium (Mg)	0.35%	0.25% - 0.45%	0.55% max may be found in a single container melt
Iron (Fe)	0.8%	0.5% - 0.9%	This does not exclude any Fe removed with the dross
Total Melt Recovery	91%	89% - 92%	Melt recovery is dependent upon furnace type and operator's process.

- Primarily 12mm 150mm (1/2" 6"). Large or long pieces have been removed from the product.
- Less than 0.25% total non-metallics, circuit boards and wire.
- There is some dust and surface oxidation. Twitch is not suitable for mainland China import: see Levitated Metals Polished Twitch for China-direct material.
- Material located in Houston TX



### Levitated Metals Flotation Process

Levitated's multi-stage separation process removes impurities from Zorba to create a high quality Twitch

Zorba is floated at low density to remove light impurities
Magnesium, Mg alloy, sandwich aluminum (Alucabond), and other poorquality aluminums are removed.

1<sup>st</sup> Stage Float

### 2<sup>nd</sup> Stage Float

- Aluminum and aluminum alloy are floated at high desnity, allowing other metals to sink.
- Zinc, stainless steel, copper, brass, ferrous, and lead are removed.

# Handpicking / Quality Control

- A team of 3 individuals handpick impurities from the Aluminum Twitch.
- Sealed units, inflators, circuit boards, and insulated wires are all removed.

### Iron Removal Dry

 A 3000 Gauss rare-earth magnet removes most cast aluminum pieces that have a bolt or other iron attachment.

### Dryer

- Levitated Twitch is dried to remove all moisture.
- The final Twitch production is ready for shipment to consumers.





# Twitch stored in enclosed bunker prior to shipping

Photo taken January 6, 2022





## Another recent photo of Twitch

Photo taken January 6, 2022





Wide view of Twitch with metric ruler





Close up view of Twitch

