

Refining Flux



Working principle

Aluminum alloy refining flux generate bubbles through their own decomposition. By taking advantage of the physical principle of low hydrogen partial pressure within the bubbles, they drive the dissolved hydrogen in the melt to diffuse into the bubbles and float up to be discharged.

Meanwhile, bubbles adsorb and carry non-metallic inclusions to the surface. After the refining flux melting, it forms a coating layer that isolates air to prevent oxidation and hydrogen absorption, and effectively removes harmful alkali metals through chemical reactions, thereby achieving a comprehensive effect of degassing, slag removal and melt purification.

Application

Aluminum foil blanks, printed PS board bases, Can body and lid materials, rail transit, aerospace materials, food packaging materials, enameled wires, welding wires and other materials.

Granular Flux

Granular flux is an anhydrous granular compound formed after remelting of chloride, and it is an optimal product for effectively removing alkali metals and non-metallic inclusions.

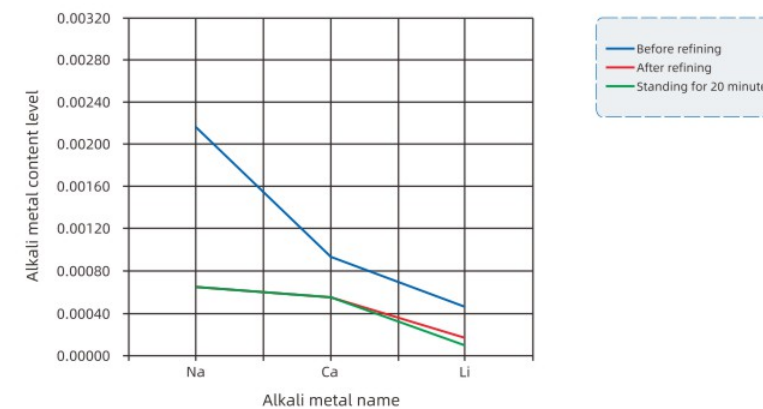
Product name	Model	Particle size	Application	Dosage per ton of metal liquid	Refining temperature
Granular Flux	PM02	1-3mm 3-5mm	Sodium-free type, used for degassing, deslagging and purification in furnaces for 1-8 series cast-rolled aluminum.	0.5-1.0kg	680-710°C
Granular Flux	PM06	1-3mm 3-5mm	Removes alkali metals (Na, Ca, Li), used for degassing, deslagging and purification.	0.5-1.0kg	680-710°C

Product Advantages

1. Physical purification, low burning loss, loose aluminum dross, non-sticky.
2. Good effect in removing hydrogen and dross.
3. Dosage of 1-1.2kg per ton of aluminum, high cost performance.
4. Low smoke emission, little environmental pollution.



The dosage per ton of granular flux in 5082 aluminum alloy solution is 1.0kg, and the removal rate of alkali metals is 40%-70%.
Data chart of usage effect:



Packing Specifications for Refining Agent Orders

Item	Inner packaging	Box packaging	Pallet packaging	Special packaging	Storage and quality guarantee
Standard Quantity	5kg/bag	20kg/box	1.2t/pallet	Made as required	Stored in a ventilated, cool and dry place.

PACKING

