AJMet

Product Catalog 2021

Metalizing

Vacuum Metalizing

One of the main applications for Aluminium Wires is **Vacuum Metalizing**. Vacuum Metalizing process allows you to create a layer of metal on a substrate, usually of another material. Applications include **Flexible Packaging** for **Food & Beverages**, **Unprinted Metalized Film** and **Metalized Thread**.

Thermal Spray Aluminium

Aluminium Wires is commonly used for **Thermal Sprays (TSA)**. It is used for corrosion control, wear resistance, traction or restore dimensions. Aluminium wire is first melted, then sprayed onto the surface of another metal or structure. Applications include **Offshore Metal Strcutures**, **Seawater Immersions** and **Tidal & Splash Zone Environments**.

For questions or inquiries, visit our website at www.ajmetalindo.com or contact us at +62 851 0022 6660

Non-Metalizing

Rivets

Rivets are commonly used for **supporting shear**, **tensile loads** and **watertight applications**. It is a mechanical fastener, which consists of a smooth, cylindrical shaft with a head. When installing rivets, the end of the shaft will expand, thus, fastening the objects in place.

Bonsai Wires

Wiring is an important technique to **train** and **style Bonsai trees**. It is done by wrapping aluminium wire around the brand so it can bend and reposition according to your liking. This may take several months before the branch adjusts to its new position.

For questions or inquiries, visit our website at www.ajmetalindo.com or contact us at +62 851 0022 6660

Non-Metalizing

Welding

Welding is a common practice in **construction industries** where aluminium is melt using a hot tool to join 2 objects together. Aluminium is an ideal choice due to its **anti-corrosive** properties.

Binding Wires

Binding wires or **wire ties** are mostly used in **construction** and **food applications**. In constructions, the wires tie the rebars at the junctions or points, in order to keep the structure intact. Aluminium wires is an ideal choice for constructions as they are **anti-corrosive**. For food applications, it is commonly used to tie **sausages** & **cheese**.

For questions or inquiries, visit our website at www.ajmetalindo.com or contact us at +62 851 0022 6660

Alloys

Alloy Designations		Chemical Composition												
Purity	Chemical Symbols	Si	Fe	Cu	M N	Mg	Cr	Ni	Zn	Ga	V	Ti	Other	Al
99.80%	EN-AW-E Al 99.80 (A)	0.15	0.15	0.03	0.02	0.02	-	-	0.03	0.03	0.03	0.02	0.02	99.80 *
99.90%	EN-AW Al 99.90	0.07	0.07	0.02	0.01	0.01	-	-	0.03	0.03	0.05	0.01	0.01	99.90 **

Max

Table 4.1

* Minimum Guarantee 99.75
** Minimum Guarantee 99.85

Forms Of Supply

AJMet supplies Aluminium Wires in 2 forms of packaging: Bobbin and Coil. See Table 4.2 for Bobbin Types. For supplies in coil, please contact us for further details.

While referring to Table 4.2, please use Image 4.1 as guideline for Bobbin specifications and types.

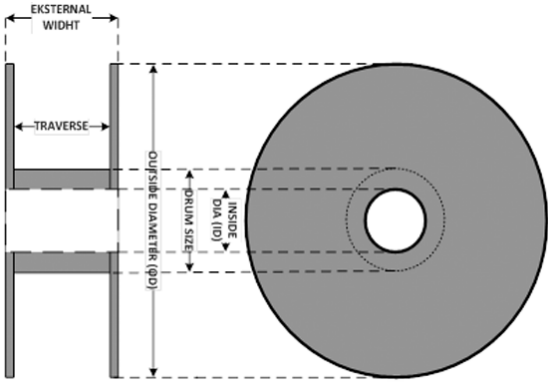


Image 4.1

Type	External Width (mm)	Inner Diameter (mm)	Outer Diameter (mm)	Drum Diameter (mm)	Traverse (mm)	Cap Load (kg)
AJM-280A	80	18	280	150	66	6
AJM-280F	75	20	280	130	65	6-7
AJM-305	67.5	38.5	305	130	55	6.5
AJM-310	82	40	310	120	71	9
AJM-320R	63	51	320	125	51	8
AJM-320	82	51	320	125	72	10
AJM-360	65	51	360	97	56	10-11.8

Table 4.2

For questions or inquiries, visit our website at www.ajmetalindo.com or contact us at +62 851 0022 6660

Technical Advice

Handle Spools

1. To avoid the spring effect, refer to image 5.1
2. Avoid cross wires in the feeding process
3. Avoid dropping the bobbin during handover - this may cause the coil to break
4. For the correct and wrong way to lift our coils, refer to image 5.2 and 5.3 respectively

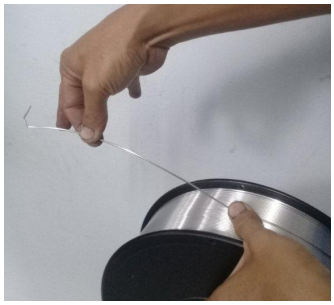


Image 5.1

During the process of feeding our wire to the metallization machine, we recommend holding the superficial tower by hand to avoid the spring effect (where the tower is out of place). Refer to Image 5.1, for the correct way to hold the tower.

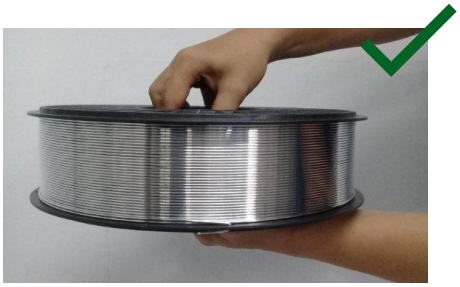


Image 5.2

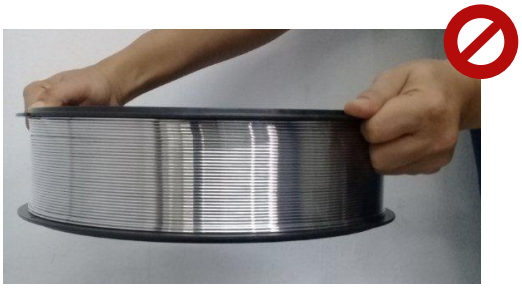
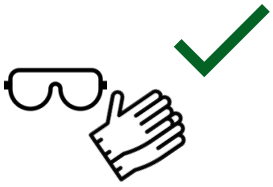


Image 5.3

Storage Recommendations

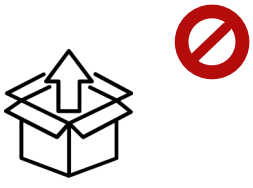
The product must be kept dry and protected from elements (rain, etc.). We recommend to store well in the original packaging to protect it from dust and foreign substances. Our recommended shelf life for our aluminum wire is 6 months. For optimal quality, we recommend using the material no later than 6 months.

Handling Measures

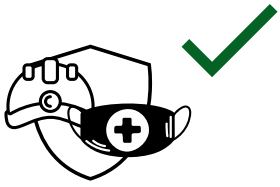


Wear safety goggles or glasses and suitable gloves

Wear safety shoes



Be careful when stacking rolls out of original packaging



Follow local security and safety protocols at all times

Note: The manufacturer will not be liable for any damage due to improper use of the submitted material