

Technical Data Sheet

Copper Cut Wire Shots



Cut Wire Shots are precision-engineered metallic abrasives made by cutting steel or stainless-steel wire into uniform lengths. Their angular shape delivers a more aggressive cleaning and peening action than spherical steel shots, making them ideal for deburring, rust and scale removal, and surface preparation. With consistent size, hardness, and durability, they provide uniform results across complex surfaces and are widely used in automotive, aerospace, and engineering industries.

Copper Cut Wire Shots are made from high-purity copper wire, offering outstanding electrical and thermal conductivity along with inherent corrosion resistance. Their non-ferrous and non-contaminating nature makes them particularly suitable for aerospace, electrical, and precision engineering applications, where maintaining surface integrity and cleanliness is critical.



Copper Cut Wire Shots

These shots ensure smooth, bright, and contaminant-free finishes while minimizing wear on blasting equipment. Their long service life, consistent performance, and ability to prevent ferrous contamination make Copper Cut Wire Shots a preferred choice for achieving efficient, reliable, and high-quality surface treatments across demanding industrial processes.

Chemistry and Mechanical Properties of Copper Cut Wire Shots:

SPECIFICATION COPPER CUT WIRE SHOTS	
Chemical Properties	58-99% Cu
Sizes	0.60 mm to 2.50 mm
Microstructure	Deformed α
Hardness Range	100 - 300 hv
Density	~8.9 g/cm ³
Shapes	As-Cut, G1 (Conditioned Cut Wire), G2 (Double Conditioned Cut Wire), G3 (Spherical Conditioned Cut Wire)

Advantages of using Copper Cut Wire Shots:

- Non-ferrous and non-sparking
- Excellent electrical conductivity
- Good thermal conductivity
- Gentle on softer substrates
- No ferrous contamination risk
- Recyclable and reusable
- Uniform particle size and shape
- Smooth, bright surface finish
- Effective for surface cleaning and deburring
- Environmentally friendly alternative to chemical cleaning
- Low dust generation
- Corrosion-resistant properties

Applications:

- Electrical component cleaning
- Motor and generator part preparation
- Non-ferrous casting surface finishing
- Die and mould cleaning
- Deburring of brass and bronze parts
- Paint and oxide removal on conductive materials
- Surface preparation before electroplating
- Restoration of antique metal components
- Precision aerospace part finishing
- Decorative metal polishing

SAFETY



Protective



Gloves



Mask



PACKAGING (Standard)



Bags
25 kg



Big Bag
1000 kg



Drum
1000 kg



Pallet
1000 kg

STORAGE



Keep
Dry

CERTIFICATIONS & SYSTEM APPROVALS

