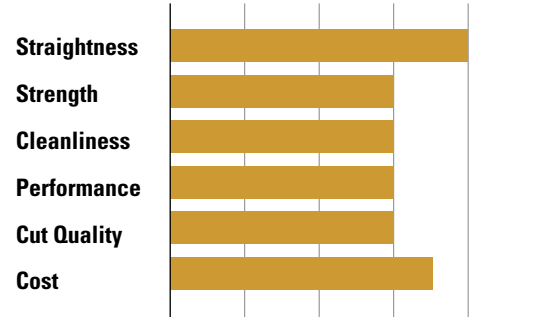


GAMMA

GAMMA Z



GAMMA-Z® HIGH PERFORMANCE COATED EDM WIRE is a patented, proprietary wire made under private label for Single Source Technologies by Thermocompact in France. GAMMA-Z HIGH PERFORMANCE COATED EDM WIRE consists of a high zinc brass core which is coated with a proprietary layer of Gamma Phase brass. The patented proprietary Gamma Phase coating is a discontinuous layer of Cu35Zn65 brass which promotes efficient cutting due to its high zinc content, tenacious bond to the core material, and flushing assist provided by the “porous” nature of the discontinuous coating. Cutting speed increases of up to 15% - 20% over plain brass wire and 10% over regular Zinc Coated Brass wire have been reported. GAMMA-Z HIGH PERFORMANCE COATED EDM WIRE provides increased performance levels in most machines and applications at only a moderate increase in cost. GAMMA-Z HIGH PERFORMANCE COATED EDM WIRE actually costs less than many other standard first-generation coated wires. GAMMA-Z HIGH PERFORMANCE COATED EDM WIRE is available in a wide range of diameters, spool sizes, and spool weights.



Straightness

A key factor in the reliability of automatic threading. Critical for older machines, not as critical for newer machines with wire annealing capabilities. Straightness is tested at both one meter and 300mm utilizing a custom designed fixture.

Strength

Primarily a measure of the wire tensile strength. However, in the case of Compeed wire, the ability to resist breakage under extreme conditions.

Cleanliness

A combined rating with respect to powder and residual lubricant or paraffin on the surface of the wire. This property is tested in a custom designed cleanliness testing machine as well as passing the wire through an actual pre-guide, power feed and guide assembly which mimics actual machine conditions.

Performance

The cutting speed potential relative to brass wire. Machine settings optimization may be required to attain the performance potential.

Cut Quality

The measured surface finish Ra and Rz resulting from an actual rough and multiple skim test cut.

Cost

Relative to standard brass wire

Primary Usages



Aerospace



Precision Machining



Tool & Die



Molds



General Machining



Medical



Production EDM