

Hogen H20S, 26 Silver/74 Tungsten PM Metal Composite

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Precious Metal , Silver Alloy , Refractory Metal , Tungsten Alloy

Material Notes:

RWMA Class EDM DURA KUT Copper-Tungsten and Silver-Tungsten are manufactured as electrode materials for EDM (Electrical Discharge Machining), ECM (Electro Chemical Machining) and ECD (Electro Chemical Deburring). Hogan DURA KUT materials are also manufactured by the powder metallurgy techniques of pressing, sintering and infiltrating tungsten with copper or silver. DURA KUT is produced under the same rigid manufacturing procedures and strict quality control supervision as Duralloy. This assures a high performance electrode providing greater cutting stability, excellent machinability and reduced down time. For extremely close tolerance work, Durakut holds dimensions and will not break down due to porosity and other structural deficiencies sometimes found in other Copper-Tungsten electrode alloys. DURA KUT Copper-Tungsten is well suited for machining carbide dies. Further more, it offers greater cutting stability in machining refractory metals and exotics. Tungsten alloys used for EDM and ECM applications are far superior when fine surface finishes, deep narrow slots or ribs and small precise holes are required. Tungsten alloys are preferred when matching extremely detailed sections. In the ECM process, Copper-Tungsten withstands erosive effects of short circuit malfunctions far better than other materials. Data provided by Hogen Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hogen-H20S-26-Silver74-Tungsten-PM-Metal-Composite.php

Physical Properties	Metric	English	Comments
Density	>= 15.1 g/cc	>= 0.546 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	87	87	
Tensile Strength, Ultimate	483 MPa	70100 psi	

Component Elements Properties	Metric	English	Comments
Silver, Ag	26 %	26 %	
Tungsten, W	74 %	74 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000340 ohm-cm	0.00000340 ohm-cm	

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