

## CMW® ELKONIUM 73 Copper Cadmium Alloy with Au/Ag-Cladding

Category : Metal , Nonferrous Metal , Copper Alloy

### Material Notes:

ELKONIUM 73 alloy is a silver, copper, cadmium and gold material marketed by CMW with high electrical and thermal properties. It is designed as an economical rivet type contact for AC applications requiring a moderate switching life at low to medium currents, as in appliance switches and control devices. Information provided by CMW Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMW-ELKONIUM-73-Copper-Cadmium-Alloy-with-AuAg-Cladding.php](http://www.lookpolymers.com/polymer_CMW-ELKONIUM-73-Copper-Cadmium-Alloy-with-AuAg-Cladding.php)

Physical Properties	Metric	English	Comments
Density	8.90 g/cc	0.322 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell 15T	51	51	annealed
	84	84	cold worked
Tensile Strength, Ultimate	255 MPa	37000 psi	annealed
	448 MPa	65000 psi	cold worked
Elongation at Break	2.0 %	2.0 %	cold worked
	40 %	40 %	annealed

Component Elements Properties	Metric	English	Comments
Copper, Cu	>= 98 %	>= 98 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000190 ohm-cm	0.00000190 ohm-cm	90 % IACS

## Contact Songhan Plastic Technology Co.,Ltd.

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