

Application : Wire coating material, etc

#### 1.Outline and Feature

##### 1-1)Out-line

Forms even film on conductors on the same principle as electro painting. Can be mainly used as a wire coating material.

##### 1-2)Feature

Polyimide coated wires produced using this electrodeposition solution are characterized by high heat resistance performance and durability. Furthermore, the film is soft, and is also characterized by being easy of post-processing.

#### 2.Properties

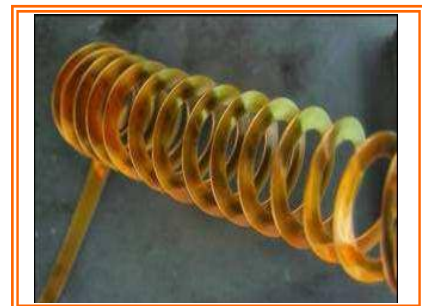
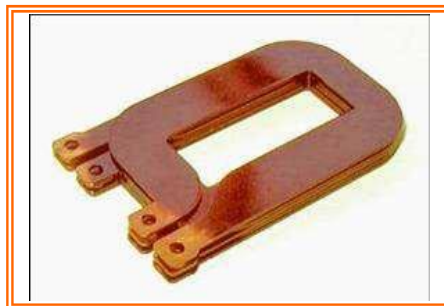
Item	Unit	Properties
Solid contents	wt%	8~9
Electric conductivity	mS/m	4.9~5.6
Coulomb efficiency	um/C	100~110

Item	Properties
Breakdown Voltage(1cm thin-foil, KV)	2.5~4.0
Tg (°C)	230
Thermal decomposition temp. (5wt%, °C)	420~430
Flexible(Method A)	No fault

#### 3.Usage instruction

Process	Terms
Acid cleaning	10% H <sub>2</sub> SO <sub>4</sub> or EDTA
Rince	-
Electro deposition	40V×3s. (For Φ1mm/30cm length wire, PI thickness : 15um)
Dry	80°C×10min+220°C×20min

#### 4. Applied product example



Picture provider : Mitsubishi cable industries

#### 5.Contact

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Block Co-Polyimide  
The Ultra-high heat resistant resin with  
unlimited potential