

## Class 240 Polyimide Square Copper Magnet Wire

Table1 Specifications

Insulation materials	Polyimide
Thermal Class	240
Bare Wire Dimensions	AWG 1 - AWG 14
Standard	MW 20-C

Table 2 Properties

Adherence and flexibility	No cracks visible in the film coating
Elongation	MW Specification:18, 20, 36, 38, 64, 84 T ≥ 0.049: 32 T < 0.049:30
Heat shock	No cracks in the film coating after 15% elongation followed by conditioning at 280°C ±3°C
Springback	Not greater than 5°
Dielectric breakdown	500V - 1500V
Dissipation Factor	Not greater than 0.60%

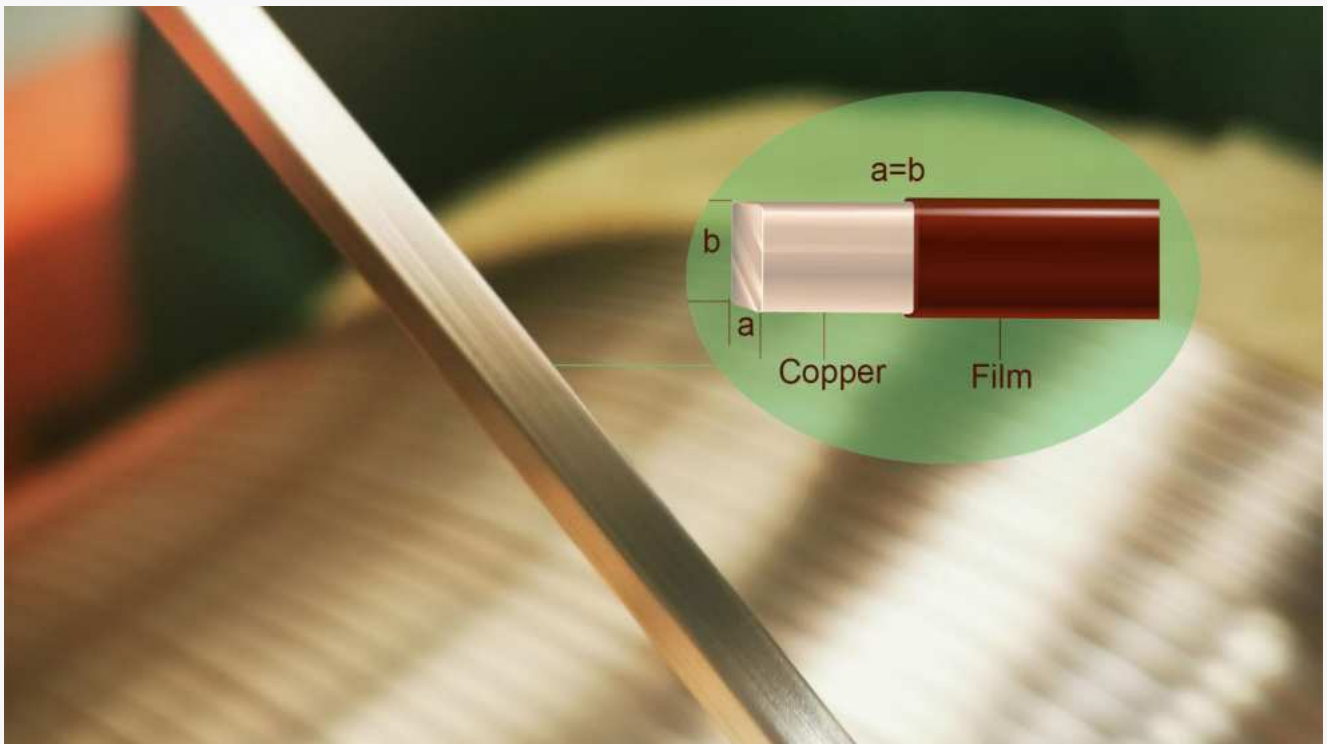
### What is Class 240 Polyimide Square Copper Magnet Wire?

Class 240 Polyimide Enameled Square Copper Magnet Wire is capable of long-term operation in environments up to 240°C without degradation. In some extreme cases, it can even tolerate short-term or transient exposure to temperatures ranging from 300°C to 450°C.

Table 3 Periodic conformance tests

Solubility	Specimens immersed in xylene and 50/50 xylene/butyl Cellosolve shall not soften sufficiently to expose the bare conductor
Dielectric breakdown rated temperature	Average not less than 75% of the value required at room temperature
Thermoplastic flow	Median not less than 450°C, when tested on <a href="#">MW 16-C</a> Heavy build

**Structure**



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